

Appendix for Band 5

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.29	PASS
		1	3	22.29	PASS
		1	5	22.33	PASS
		3	0	22.27	PASS
		3	2	22.34	PASS
		3	3	22.32	PASS
		6	0	21.29	PASS
	MCH	1	0	22.51	PASS
		1	3	22.54	PASS
		1	5	22.49	PASS
		3	0	22.45	PASS
		3	2	22.54	PASS
		3	3	22.47	PASS
		6	0	21.61	PASS
	HCH	1	0	22.65	PASS
		1	3	22.74	PASS
		1	5	22.69	PASS
		3	0	22.75	PASS
		3	2	22.85	PASS
		3	3	22.77	PASS
		6	0	21.76	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.40	PASS
		1	7	22.45	PASS
		1	14	22.34	PASS
		8	0	21.37	PASS
		8	4	21.45	PASS
		8	7	21.41	PASS

	MCH	15	0	21.44	PASS
		1	0	22.58	PASS
		1	7	22.71	PASS
		1	14	22.64	PASS
		8	0	21.62	PASS
		8	4	21.72	PASS
		8	7	21.64	PASS
		15	0	21.61	PASS
	HCH	1	0	22.77	PASS
		1	7	22.83	PASS
		1	14	22.77	PASS
		8	0	21.71	PASS
		8	4	21.79	PASS
		8	7	21.74	PASS
		15	0	21.80	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.46	PASS
		1	12	22.49	PASS
		1	24	22.44	PASS
		12	0	21.45	PASS
		12	6	21.44	PASS
		12	13	21.45	PASS
		25	0	21.45	PASS
	MCH	1	0	22.68	PASS
		1	12	22.68	PASS
		1	24	22.70	PASS
		12	0	21.68	PASS
		12	6	21.71	PASS
		12	13	21.69	PASS
		25	0	21.65	PASS
	HCH	1	0	22.79	PASS
		1	12	22.77	PASS
		1	24	22.81	PASS
		12	0	21.76	PASS
		12	6	21.80	PASS
		12	13	21.85	PASS
		25	0	21.81	PASS


Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.50	PASS
		1	24	22.37	PASS
		1	49	22.45	PASS
		25	0	21.38	PASS
		25	12	21.55	PASS
		25	25	21.54	PASS
		50	0	21.52	PASS
	MCH	1	0	22.49	PASS
		1	24	22.87	PASS
		1	49	22.55	PASS
		25	0	21.64	PASS
		25	12	21.65	PASS
		25	25	21.66	PASS
		50	0	21.60	PASS
	HCH	1	0	22.54	PASS
		1	24	22.63	PASS
		1	49	22.63	PASS
		25	0	21.66	PASS
		25	12	21.65	PASS
		25	25	21.74	PASS
		50	0	21.68	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.95	<13	PASS
		1	3	3.71	<13	PASS
		1	5	3.99	<13	PASS
		3	0	4.29	<13	PASS
		3	2	4.18	<13	PASS
		3	3	4.32	<13	PASS
		6	0	4.99	<13	PASS
	MCH	1	0	3.64	<13	PASS
		1	3	3.47	<13	PASS
		1	5	3.67	<13	PASS
		3	0	3.9	<13	PASS
		3	2	3.79	<13	PASS
		3	3	3.94	<13	PASS
		6	0	4.64	<13	PASS
	HCH	1	0	3.78	<13	PASS
		1	3	3.52	<13	PASS
		1	5	3.79	<13	PASS
		3	0	3.99	<13	PASS
		3	2	3.86	<13	PASS
		3	3	3.95	<13	PASS
		6	0	4.55	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.92	<13	PASS
		1	7	3.67	<13	PASS
		1	14	3.81	<13	PASS
		8	0	4.13	<13	PASS
		8	4	3.98	<13	PASS



		8	7	4.2	<13	PASS
		15	0	4.91	<13	PASS
	MCH	1	0	3.43	<13	PASS
		1	7	3.29	<13	PASS
		1	14	3.46	<13	PASS
		8	0	3.91	<13	PASS
		8	4	3.73	<13	PASS
		8	7	3.8	<13	PASS
		15	0	4.48	<13	PASS
	HCH	1	0	3.63	<13	PASS
		1	7	3.48	<13	PASS
		1	14	3.58	<13	PASS
		8	0	4.01	<13	PASS
		8	4	3.75	<13	PASS
		8	7	3.83	<13	PASS
		15	0	4.42	<13	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.18	<13	PASS
		1	12	3.72	<13	PASS
		1	24	3.75	<13	PASS
		12	0	4.11	<13	PASS
		12	6	3.96	<13	PASS
		12	13	4.2	<13	PASS
		25	0	5.22	<13	PASS
	MCH	1	0	3.55	<13	PASS
		1	12	3.36	<13	PASS
		1	24	3.53	<13	PASS
		12	0	3.87	<13	PASS
		12	6	3.71	<13	PASS
		12	13	3.76	<13	PASS
		25	0	4.74	<13	PASS
	HCH	1	0	3.76	<13	PASS
		1	12	3.56	<13	PASS
		1	24	3.5	<13	PASS
		12	0	4.12	<13	PASS
		12	6	3.84	<13	PASS
		12	13	3.78	<13	PASS



		25	0	4.75	<13	PASS
--	--	----	---	------	-----	------

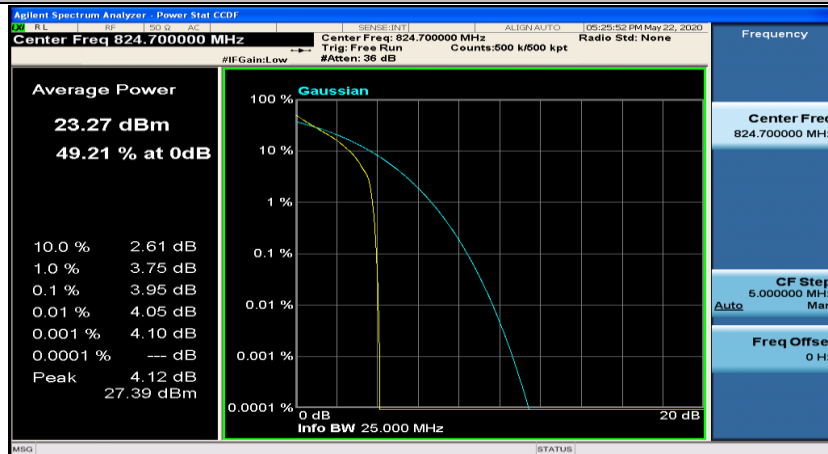
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.08	<13	PASS
		1	24	3.71	<13	PASS
		1	49	3.54	<13	PASS
		25	0	4.13	<13	PASS
		25	12	4.05	<13	PASS
		25	25	4.19	<13	PASS
		50	0	5.08	<13	PASS
	MCH	1	0	3.56	<13	PASS
		1	24	3.36	<13	PASS
		1	49	3.62	<13	PASS
		25	0	3.98	<13	PASS
		25	12	3.8	<13	PASS
		25	25	3.88	<13	PASS
		50	0	4.8	<13	PASS
	HCH	1	0	3.52	<13	PASS
		1	24	3.64	<13	PASS
		1	49	3.46	<13	PASS
		25	0	4.25	<13	PASS
		25	12	4.12	<13	PASS
		25	25	4.01	<13	PASS
		50	0	4.99	<13	PASS

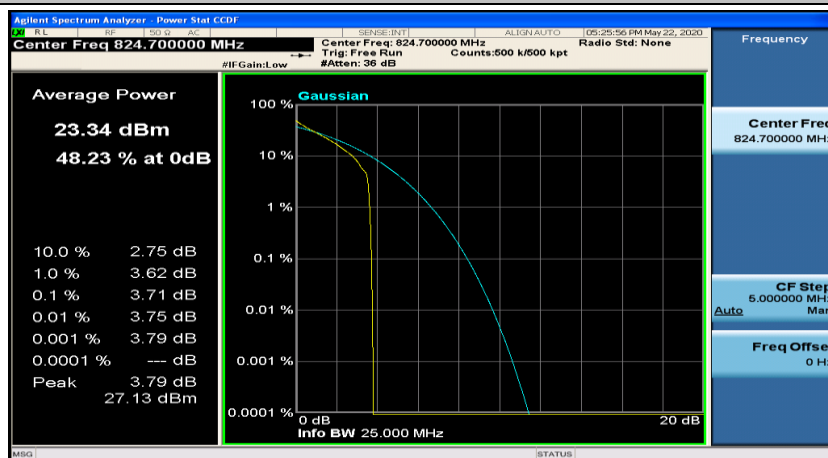
Test Graphs

Channel Bandwidth: 1.4 MHz

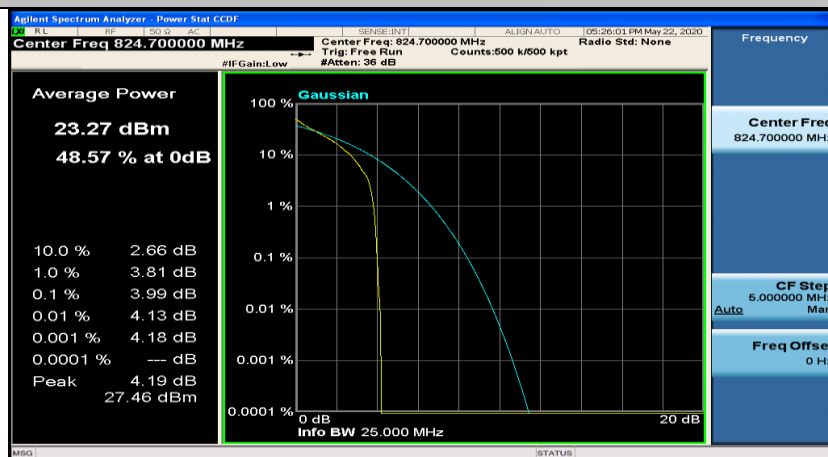
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



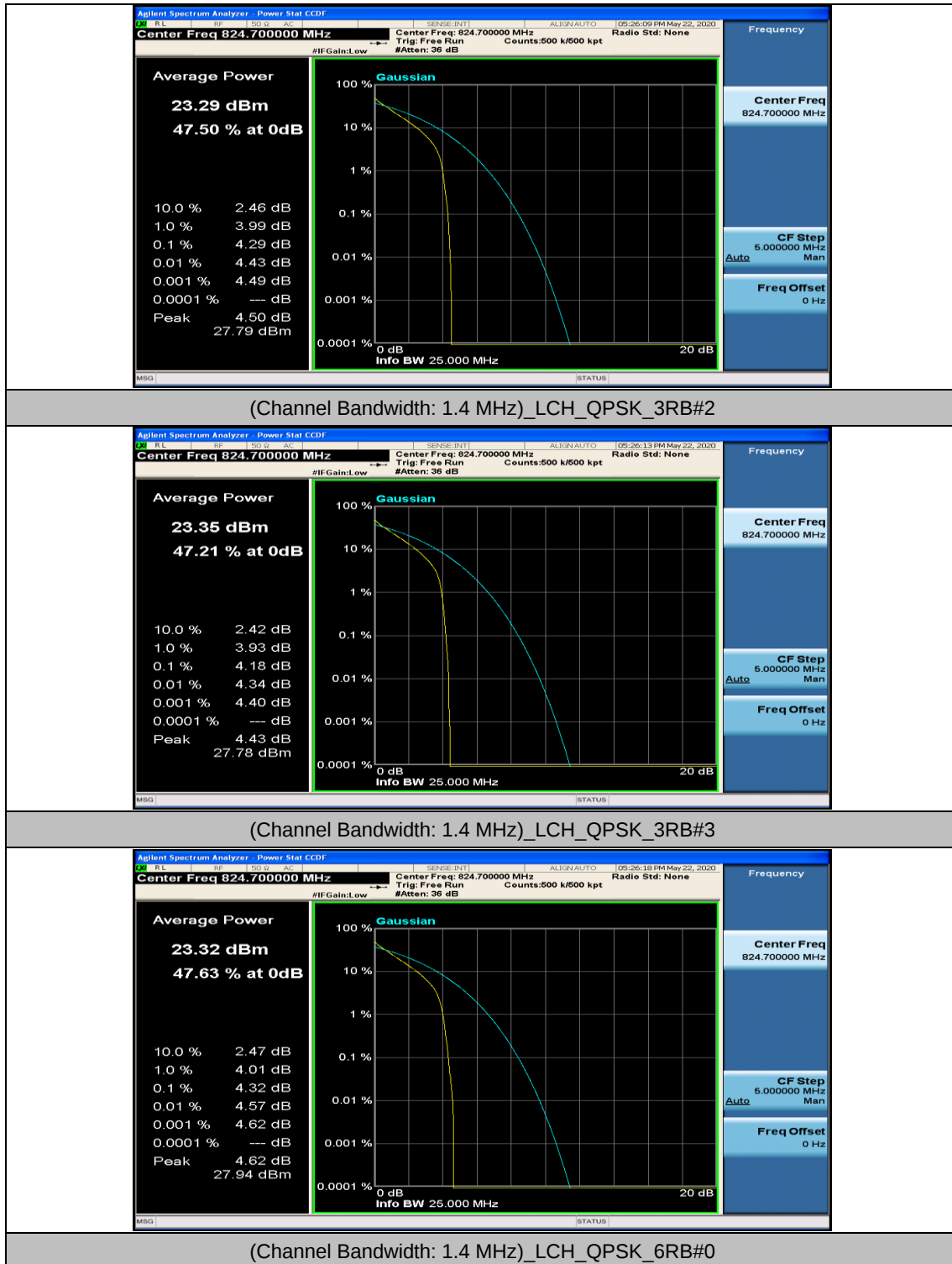
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

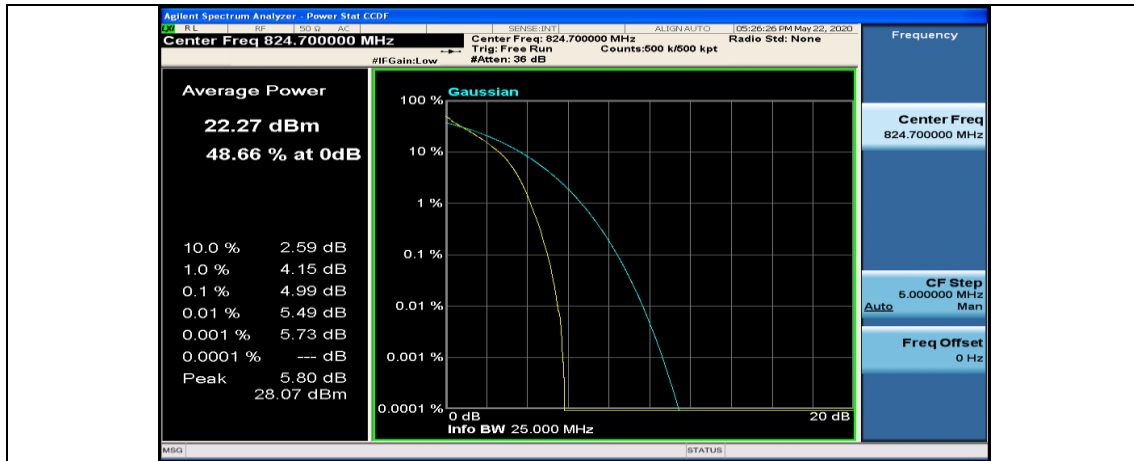


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

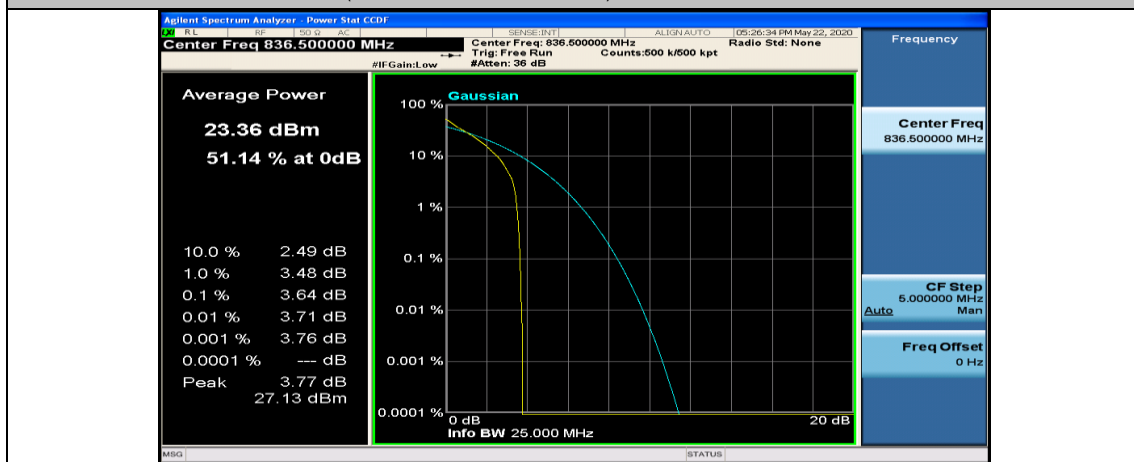


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0

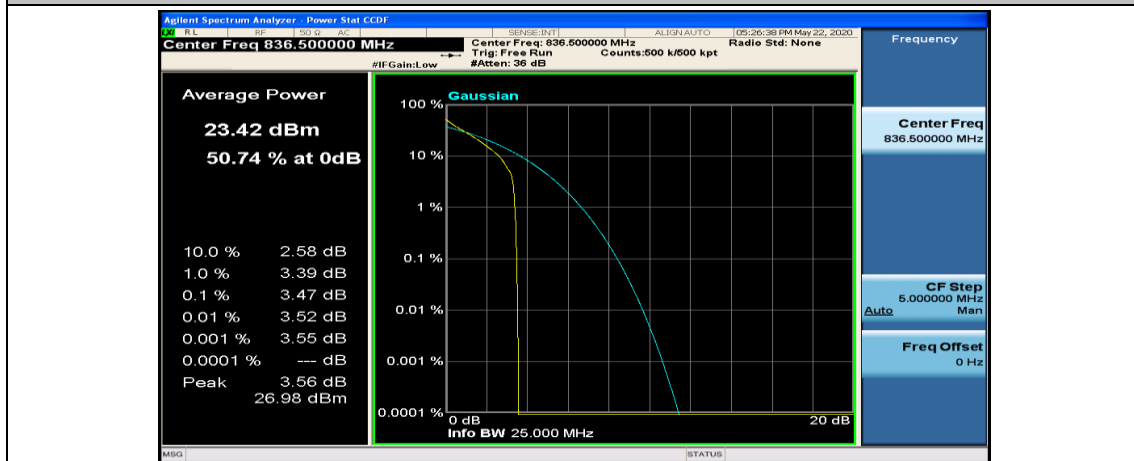




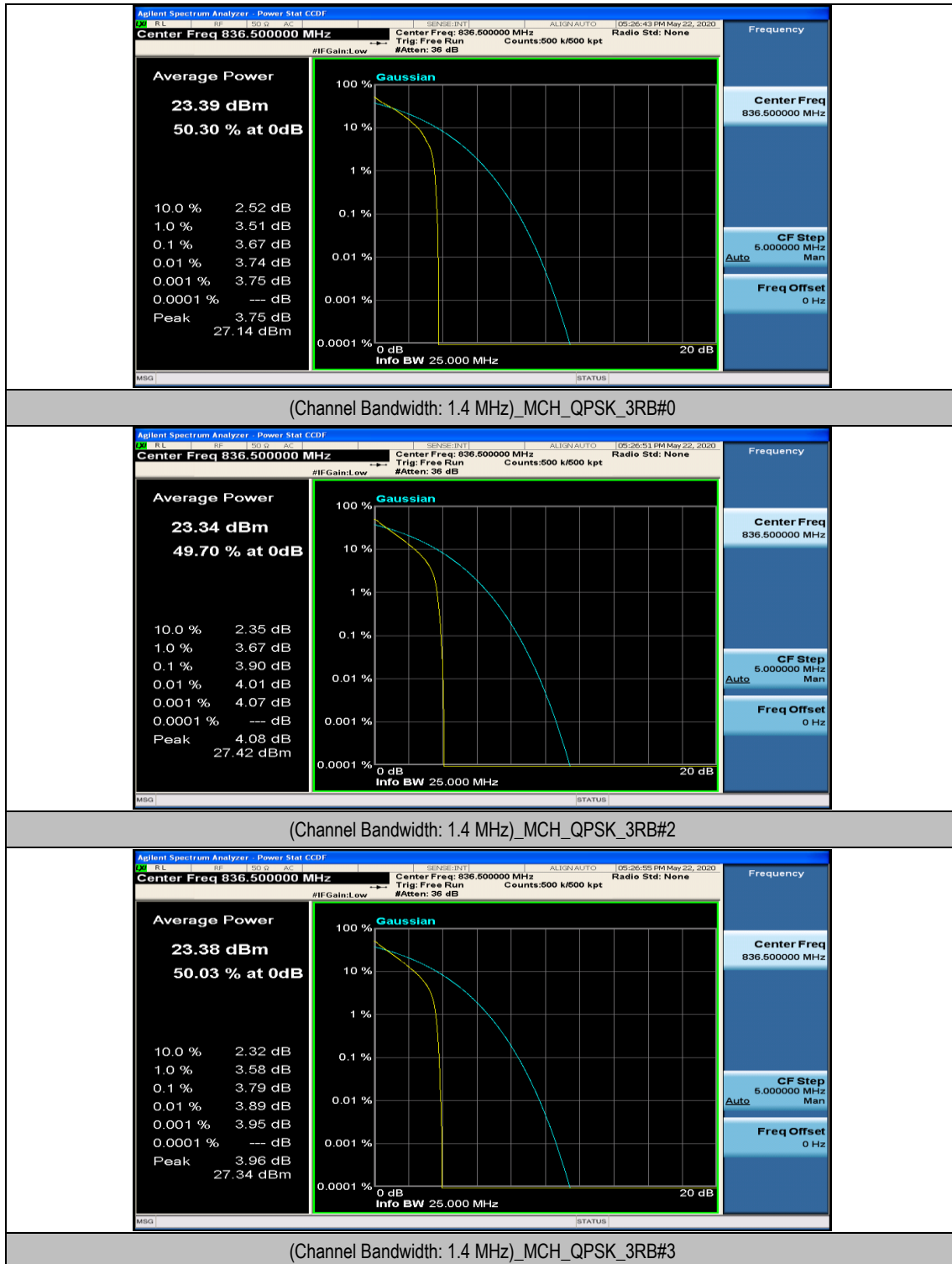
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

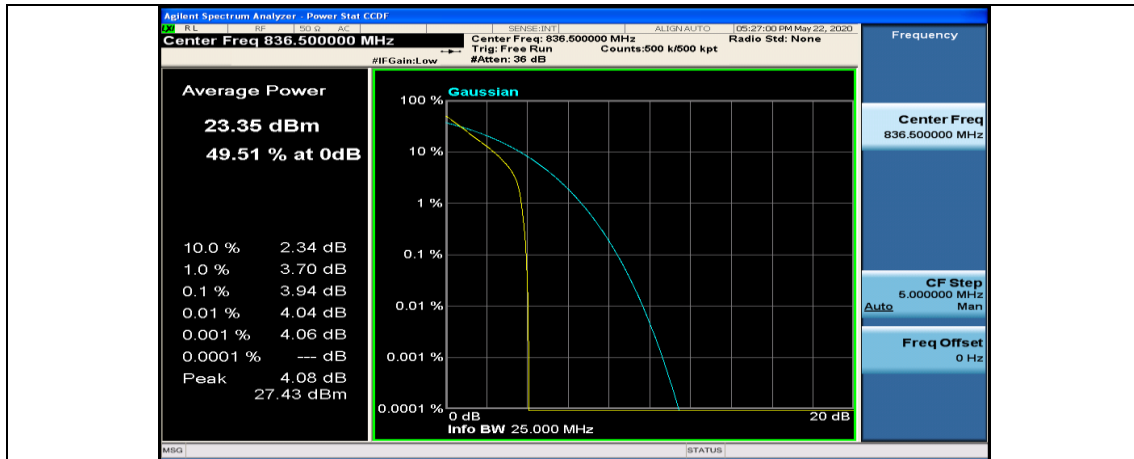


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

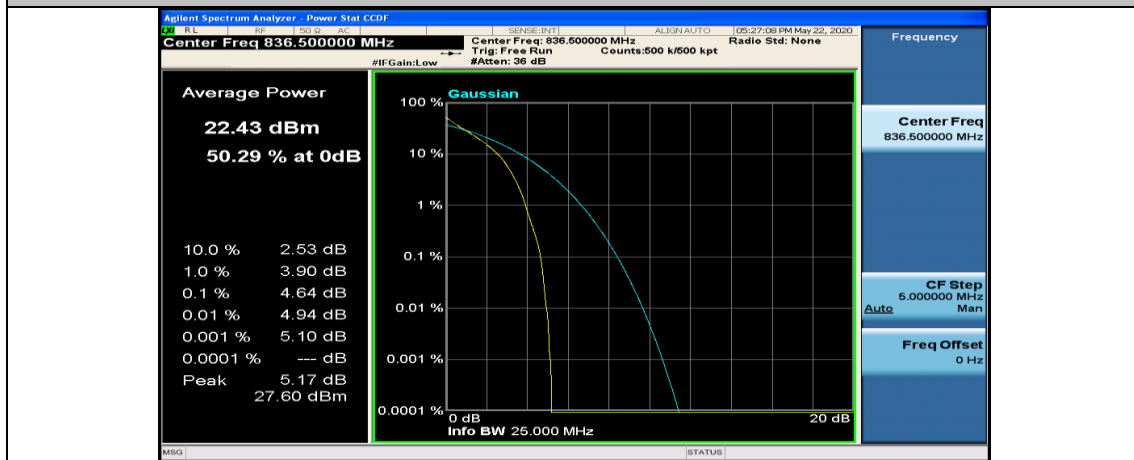


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

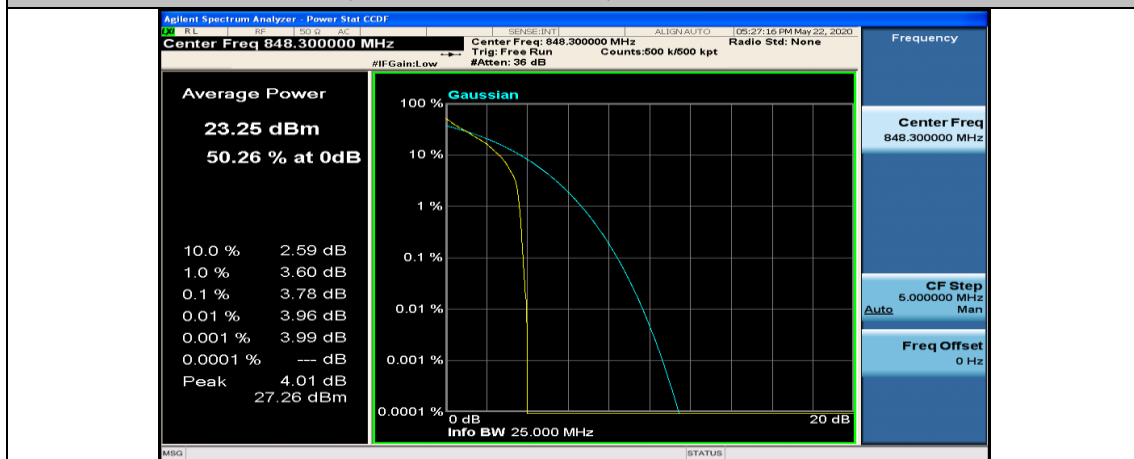




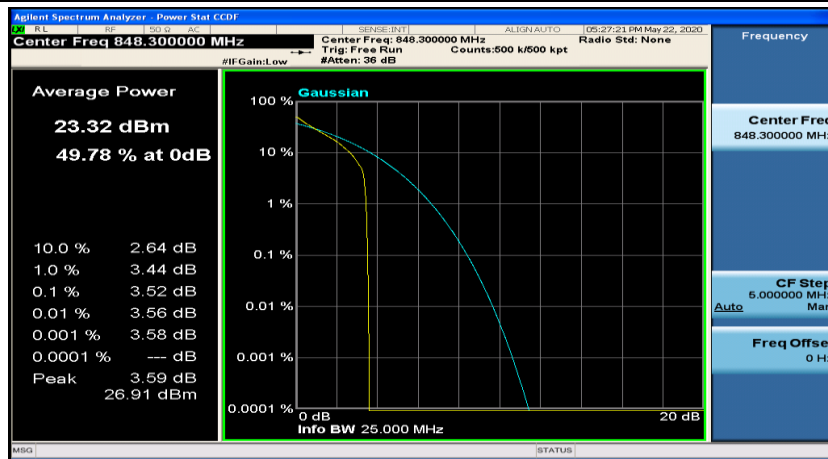
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



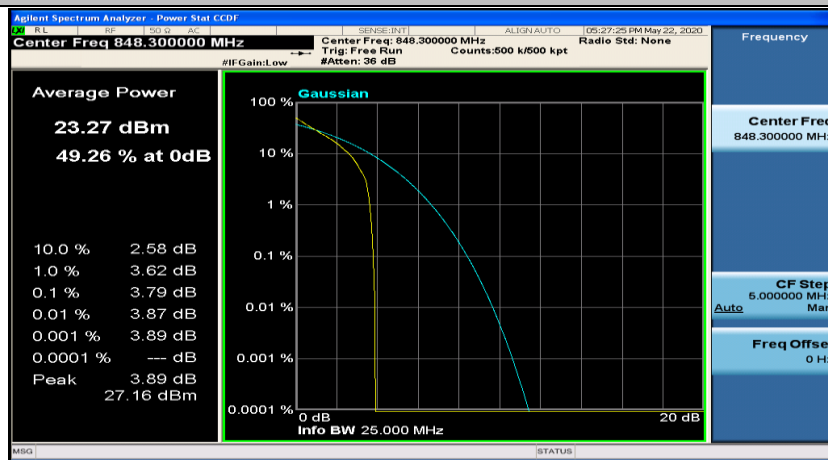
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



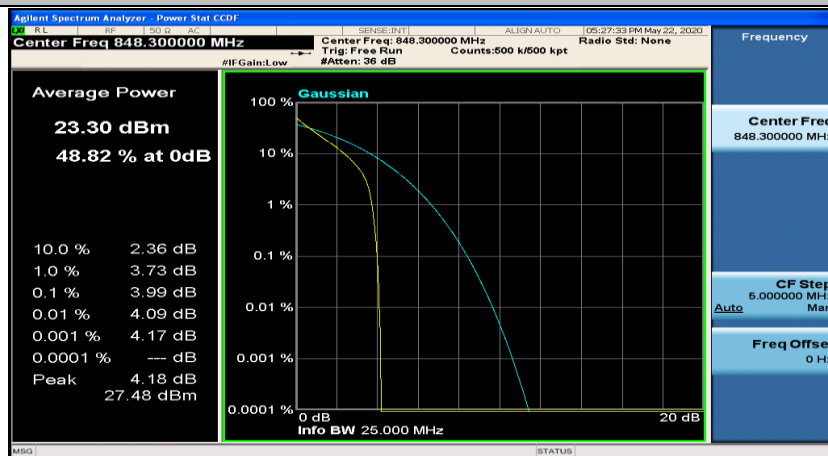
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



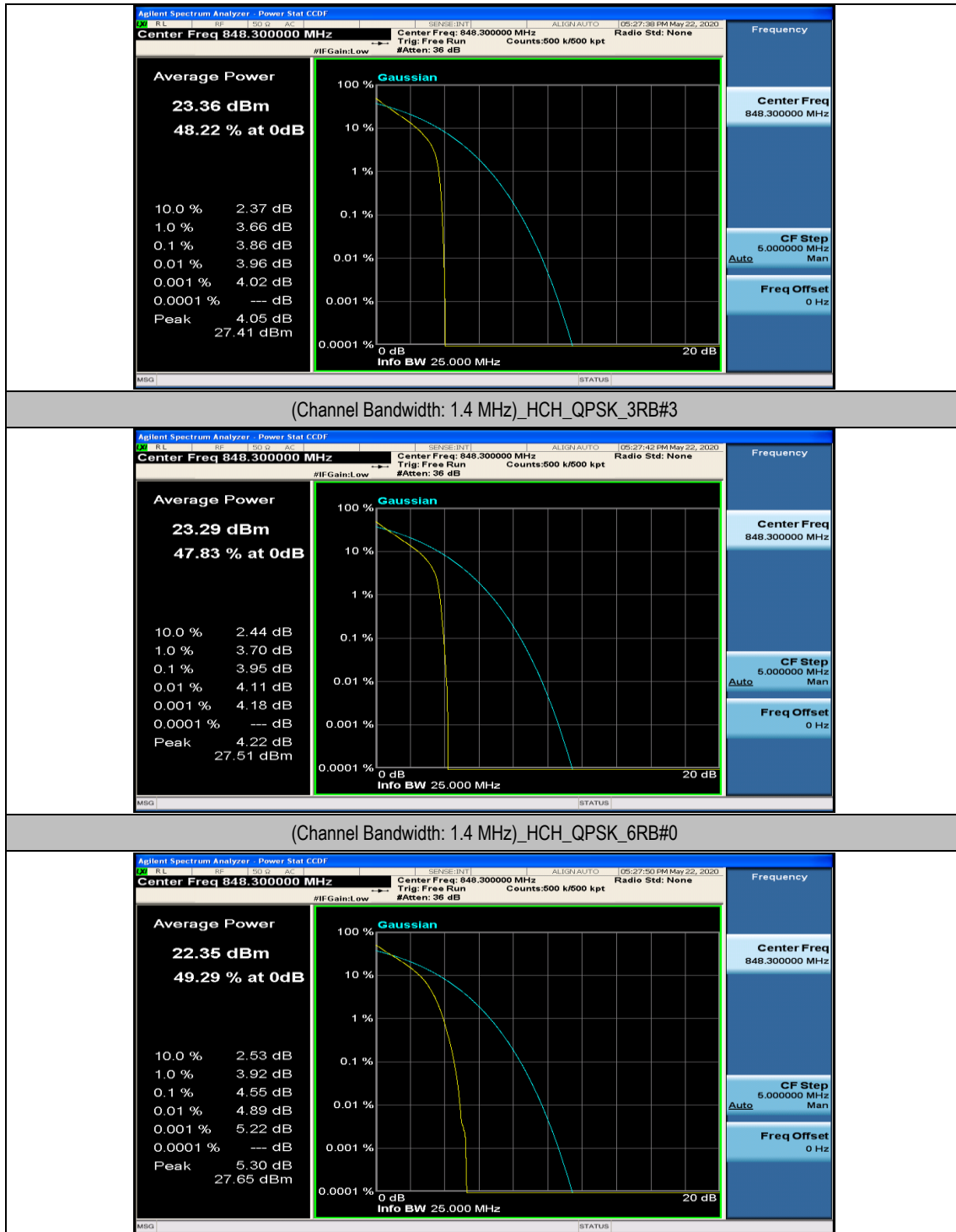
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0

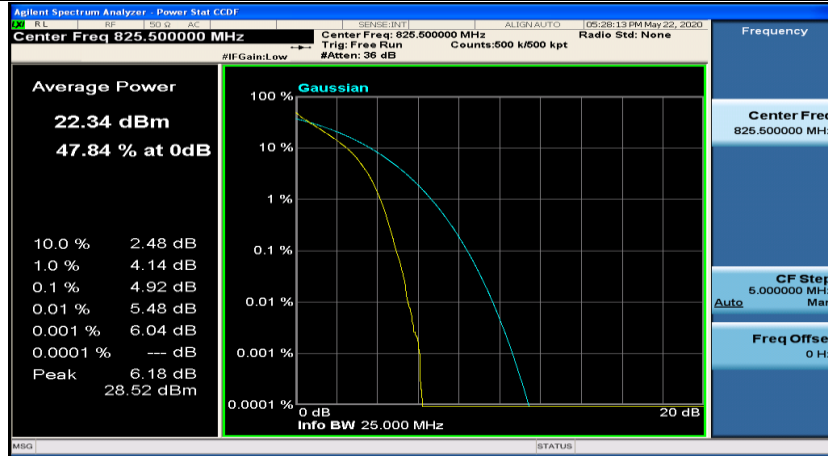


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

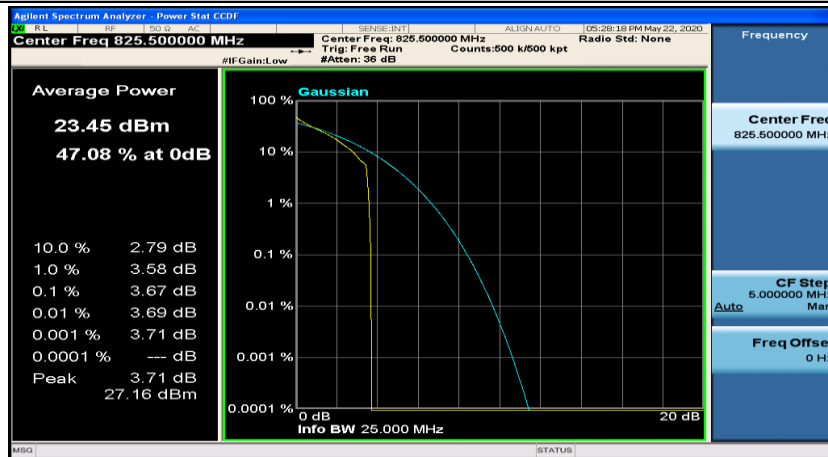


Channel Bandwidth: 3 MHz

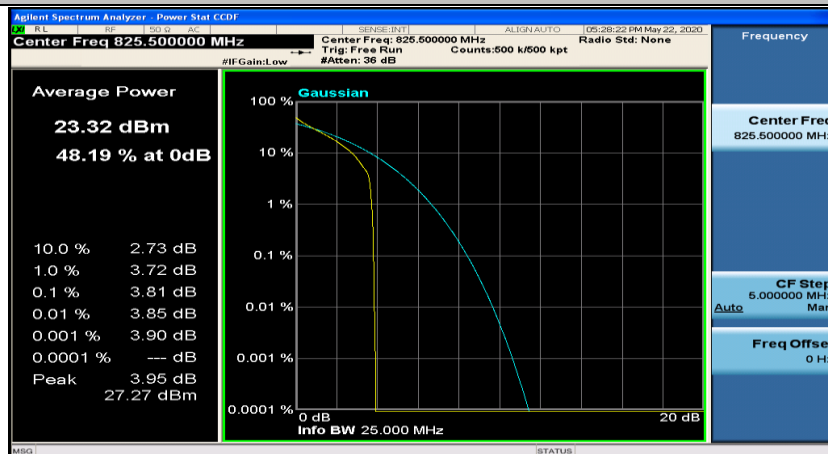
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



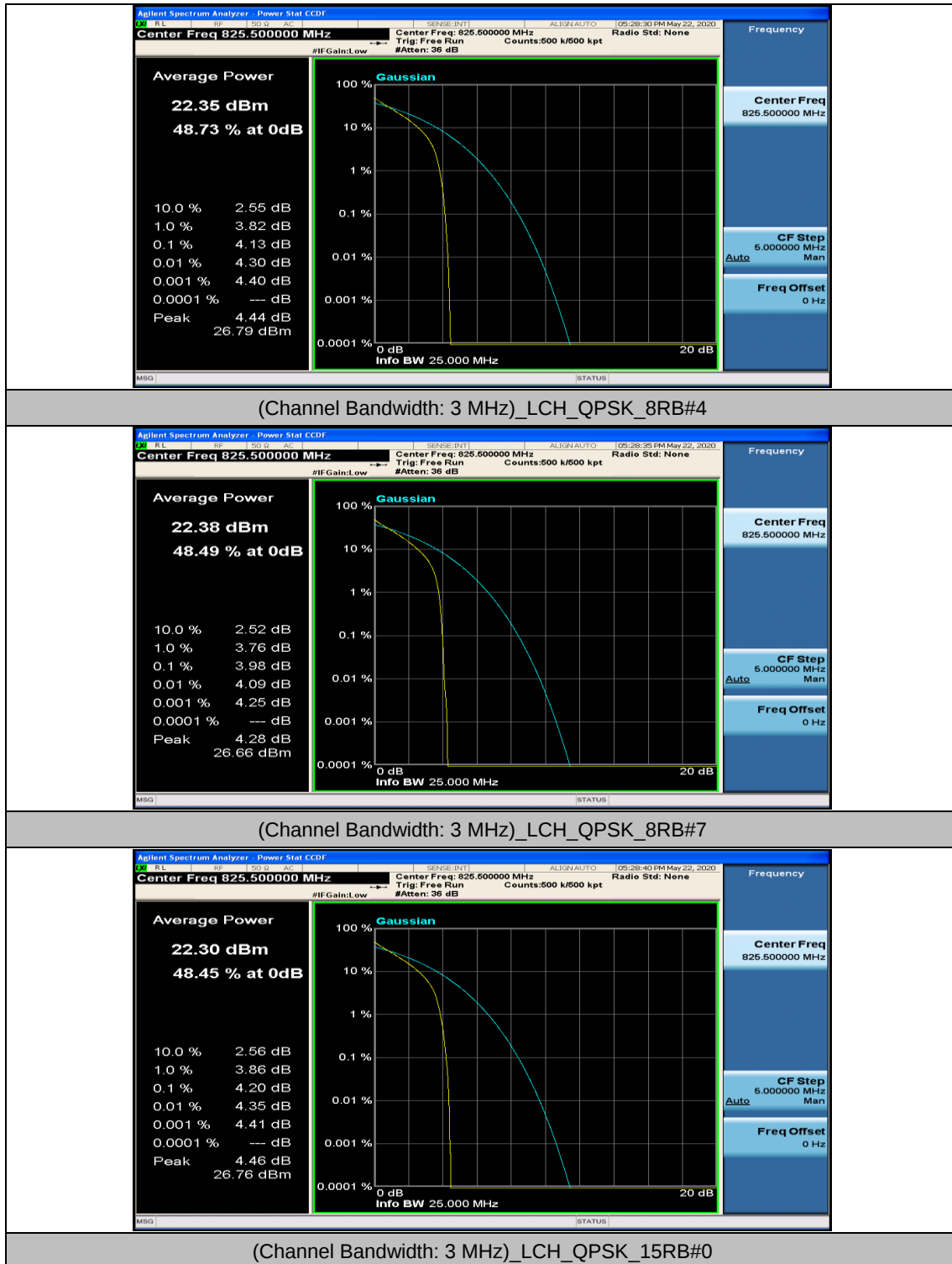
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

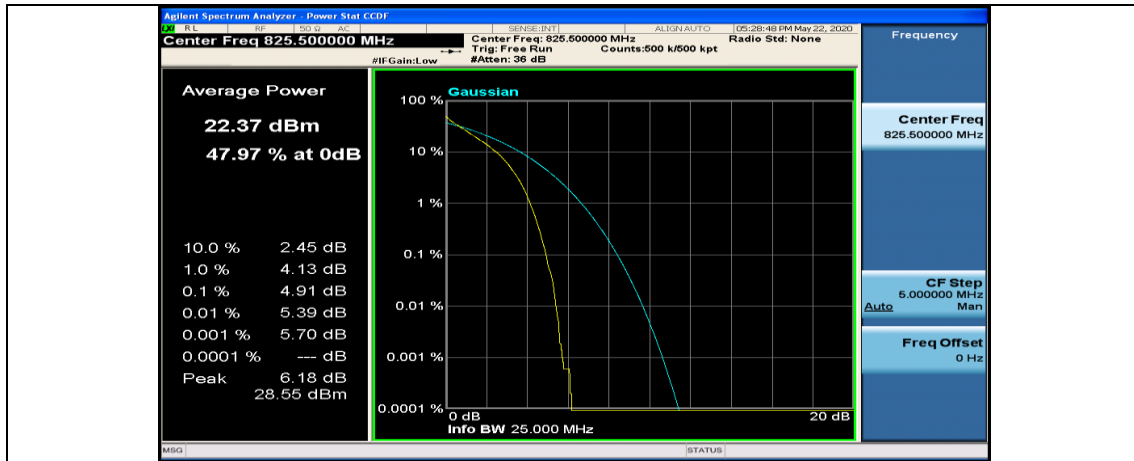


(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

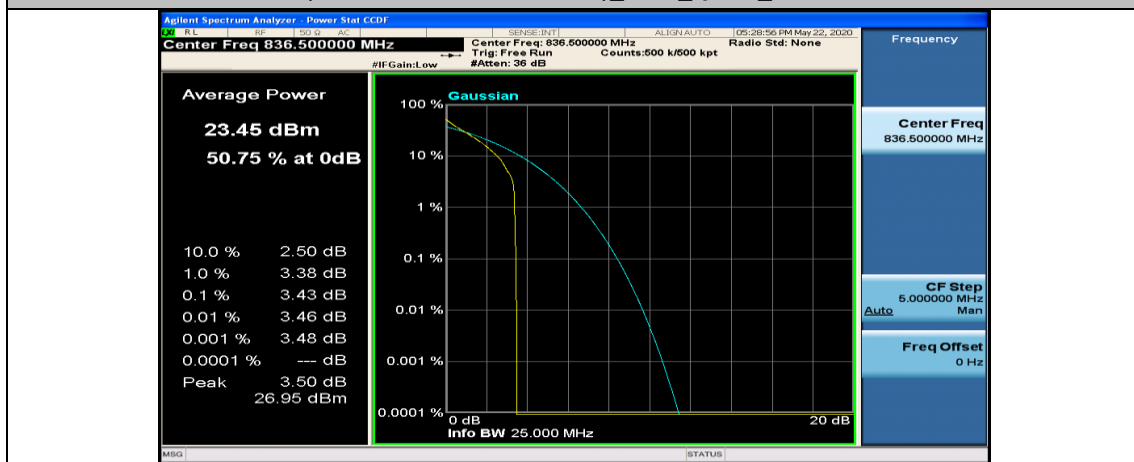


(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

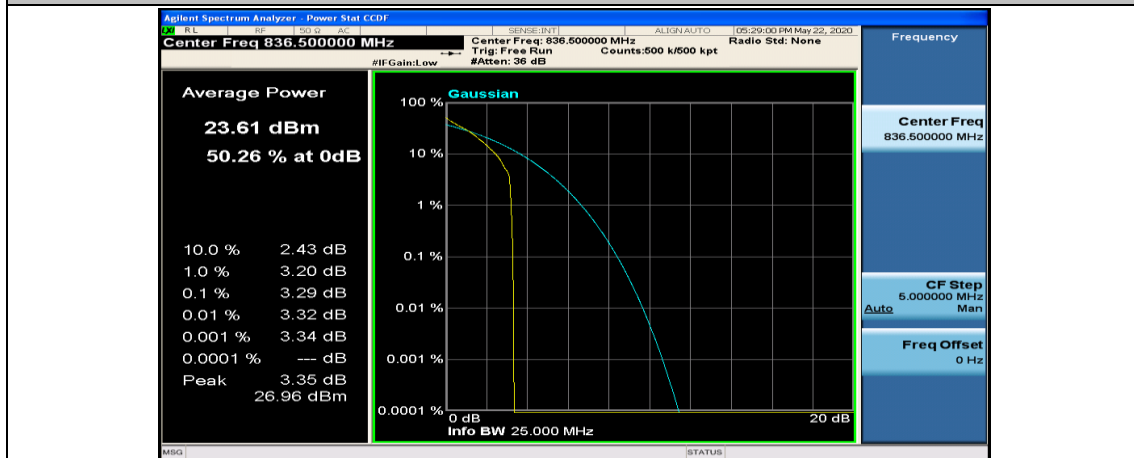




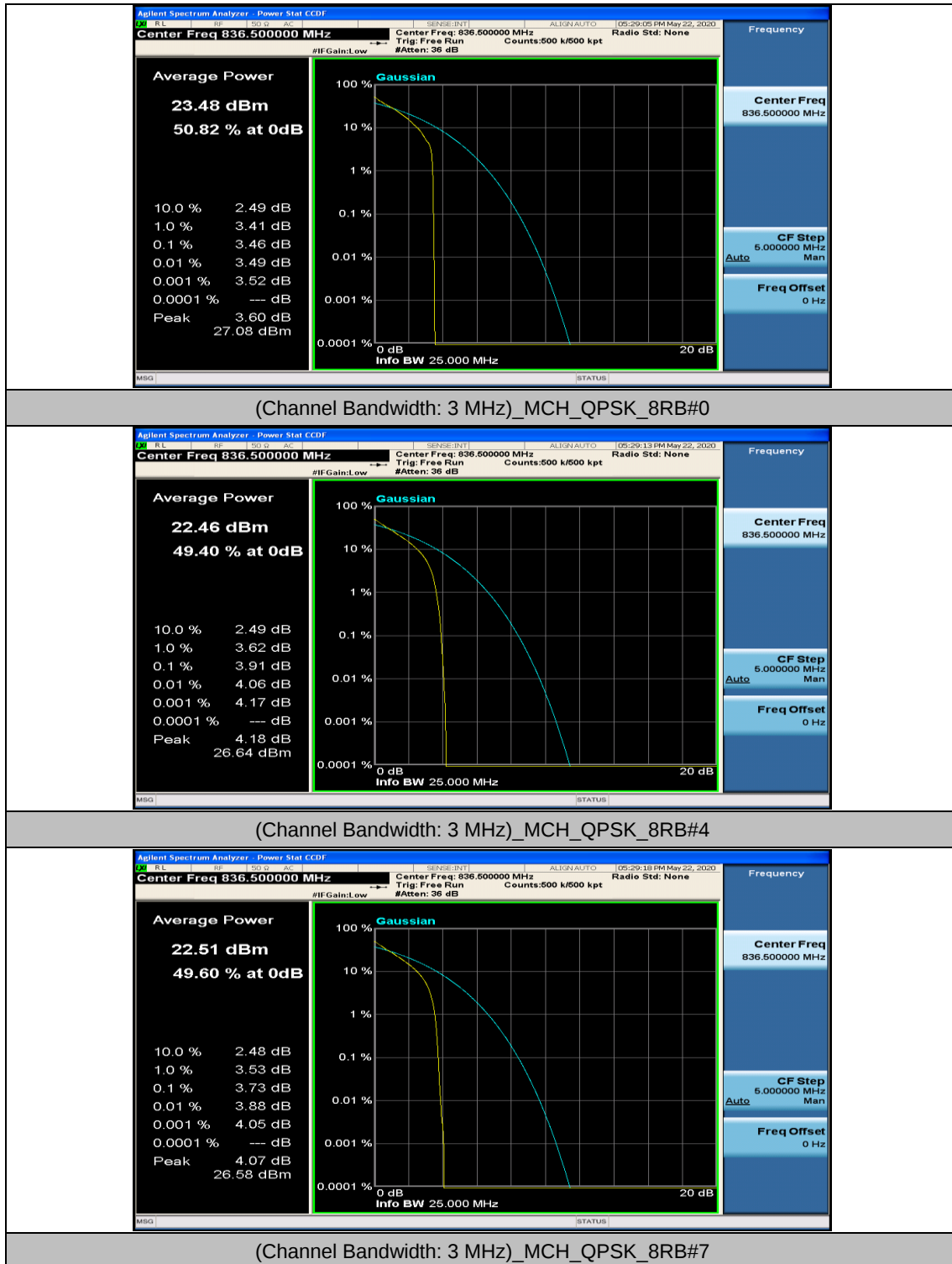
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

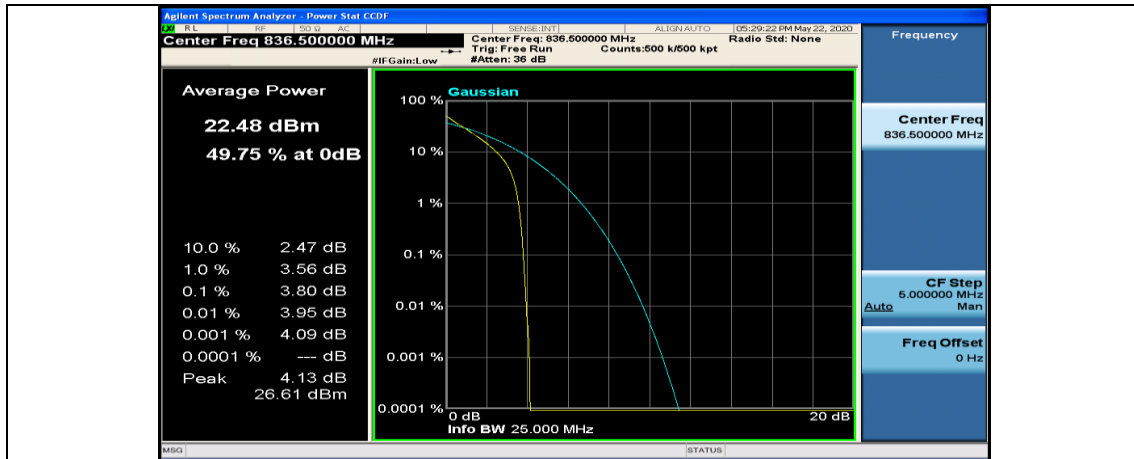


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

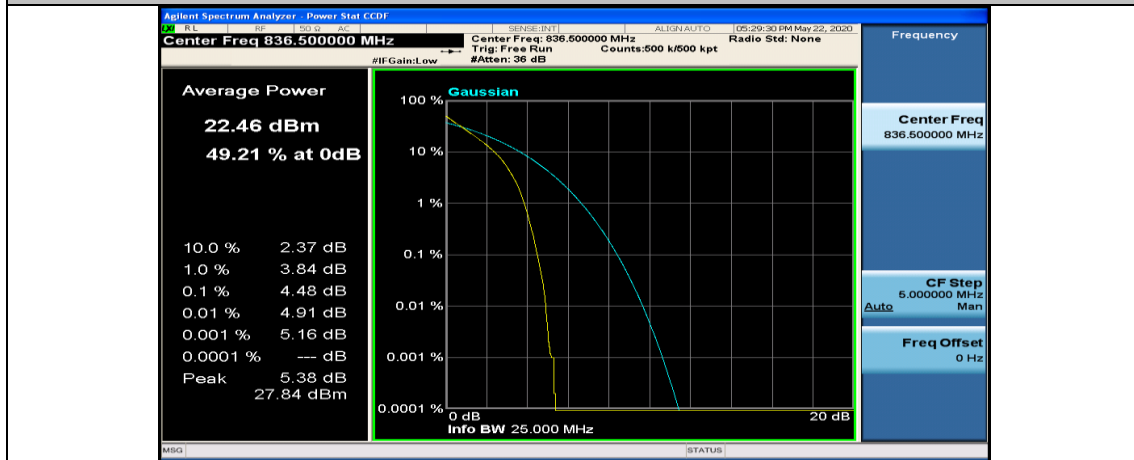


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

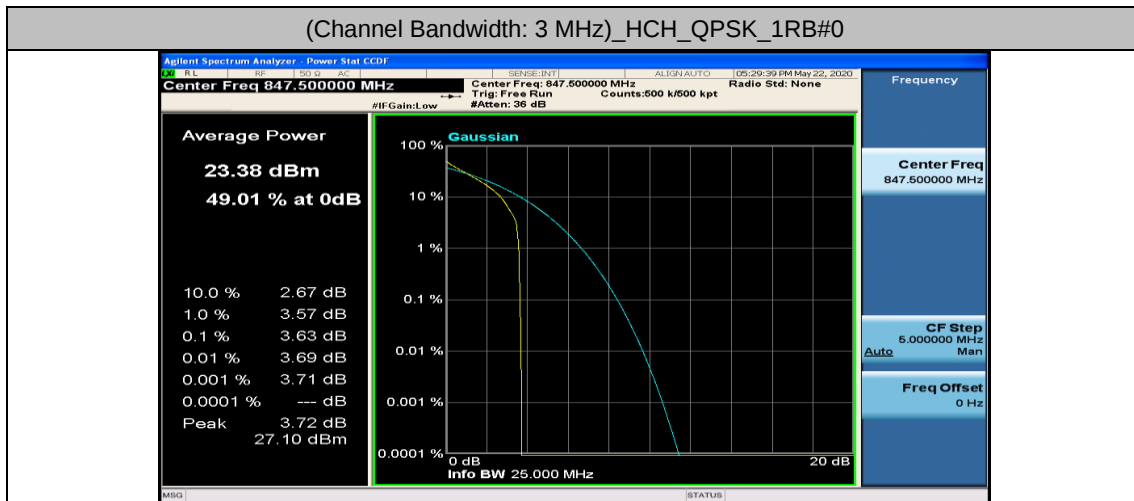




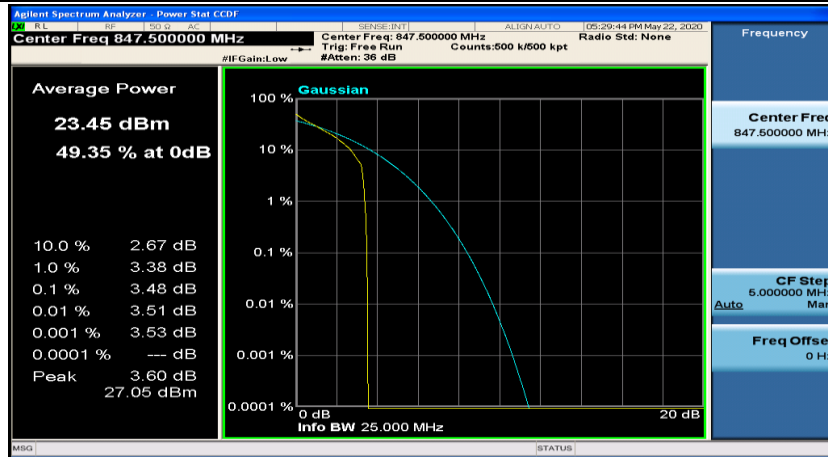
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



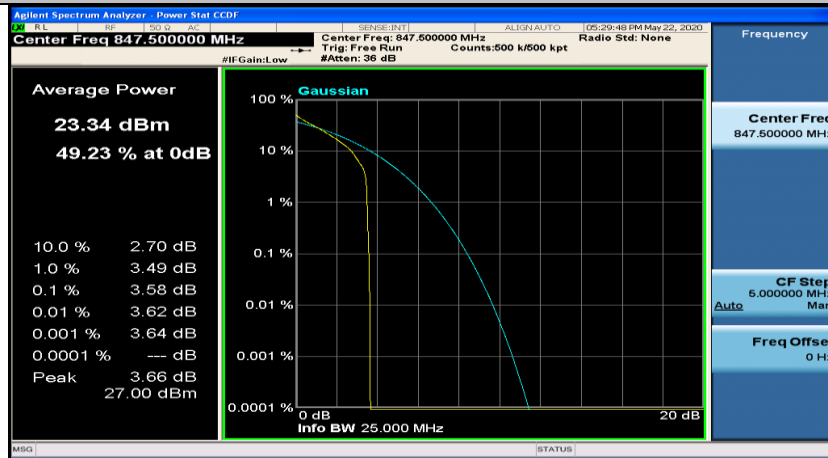
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



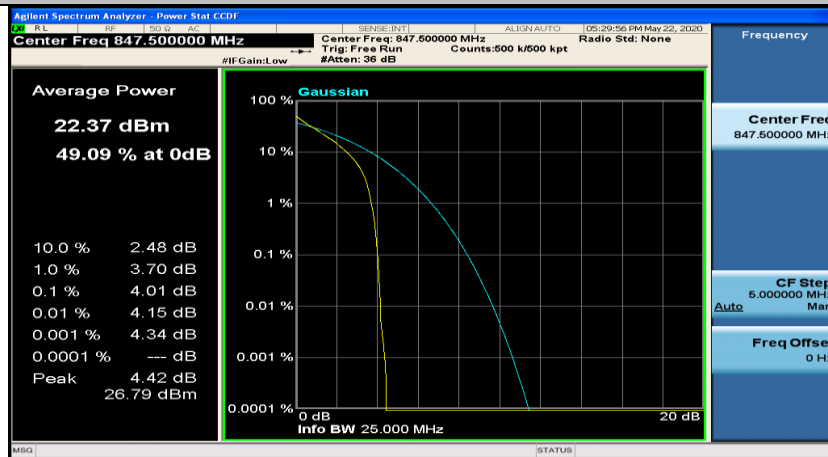
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



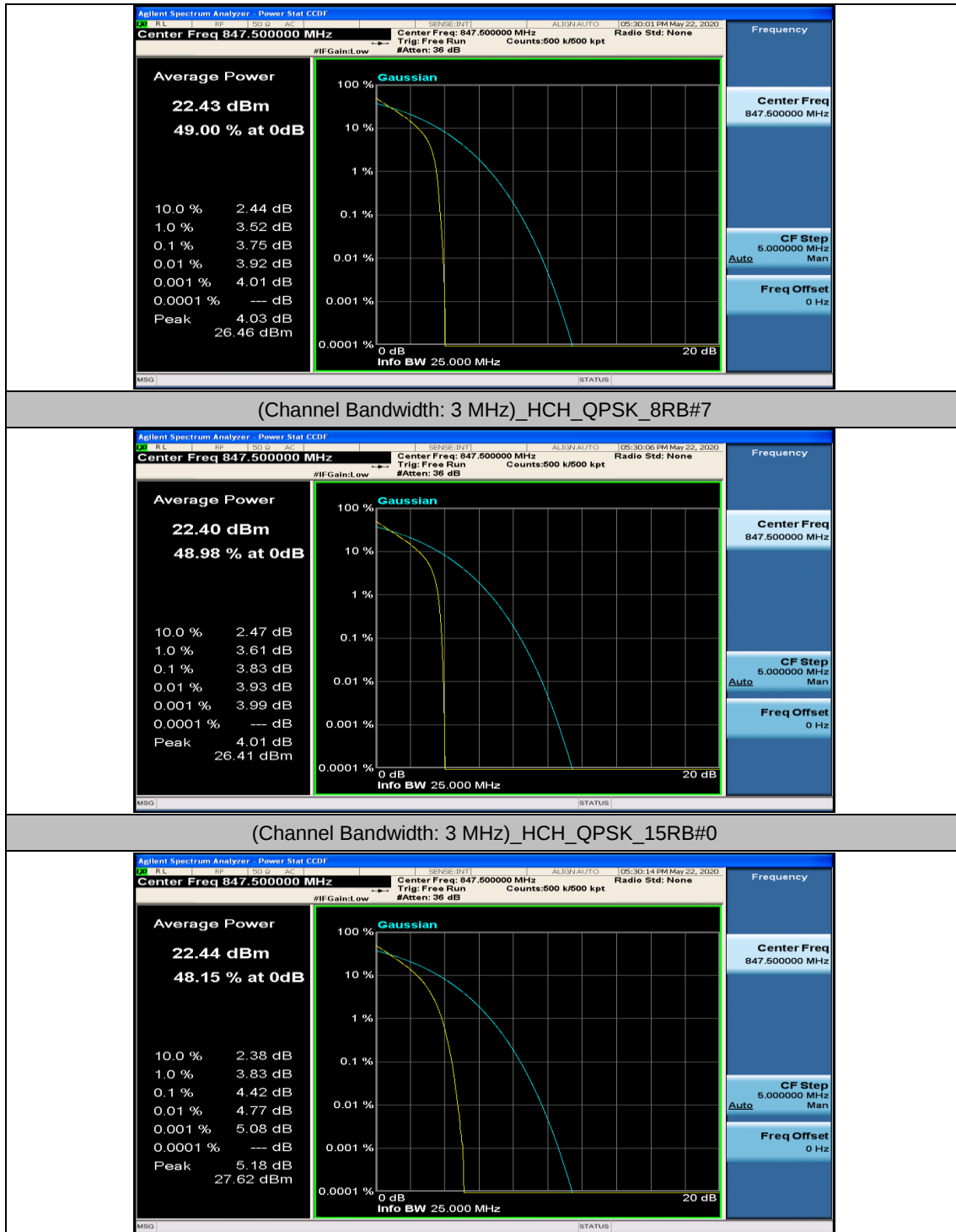
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0

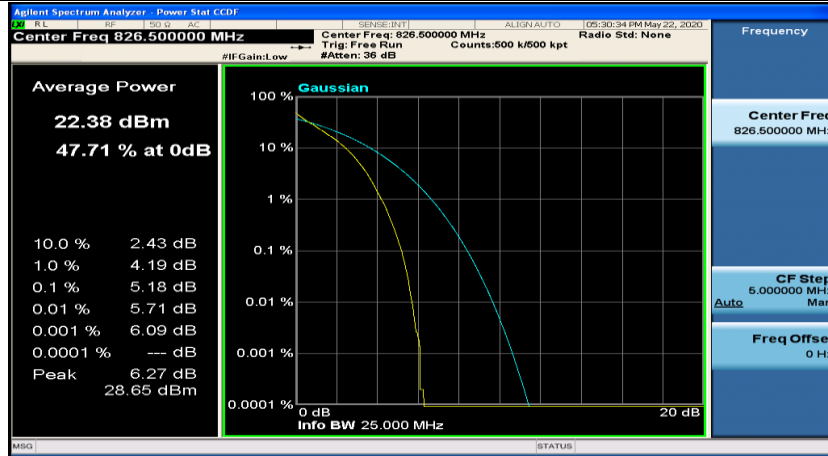


(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4

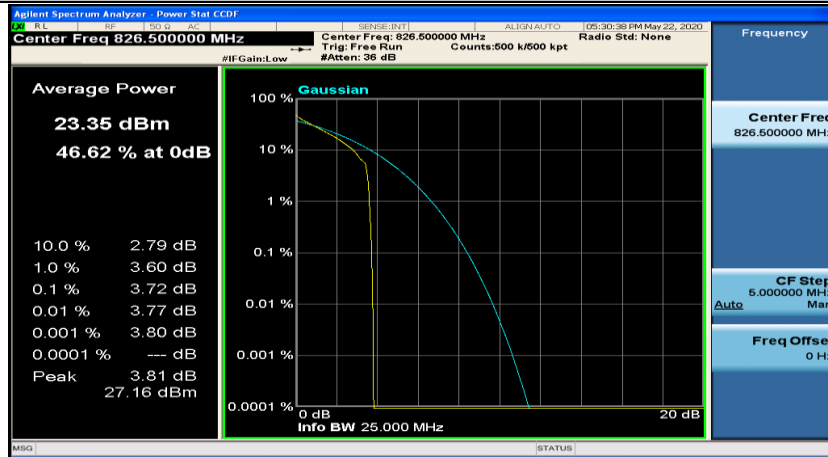


Channel Bandwidth: 5 MHz

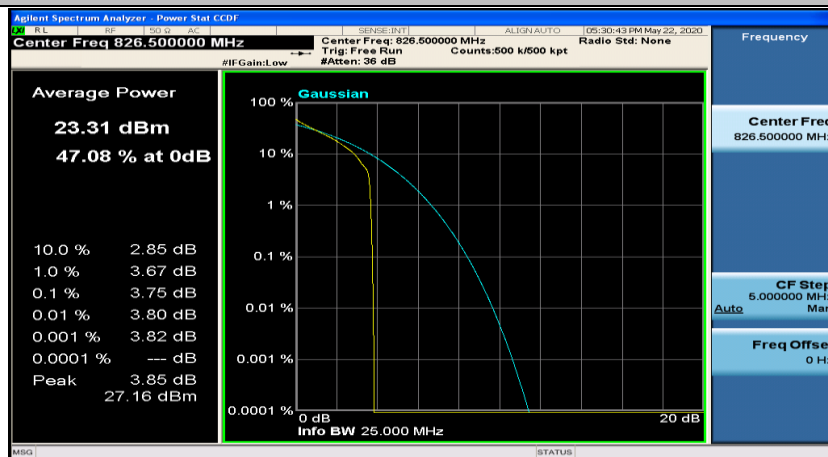
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



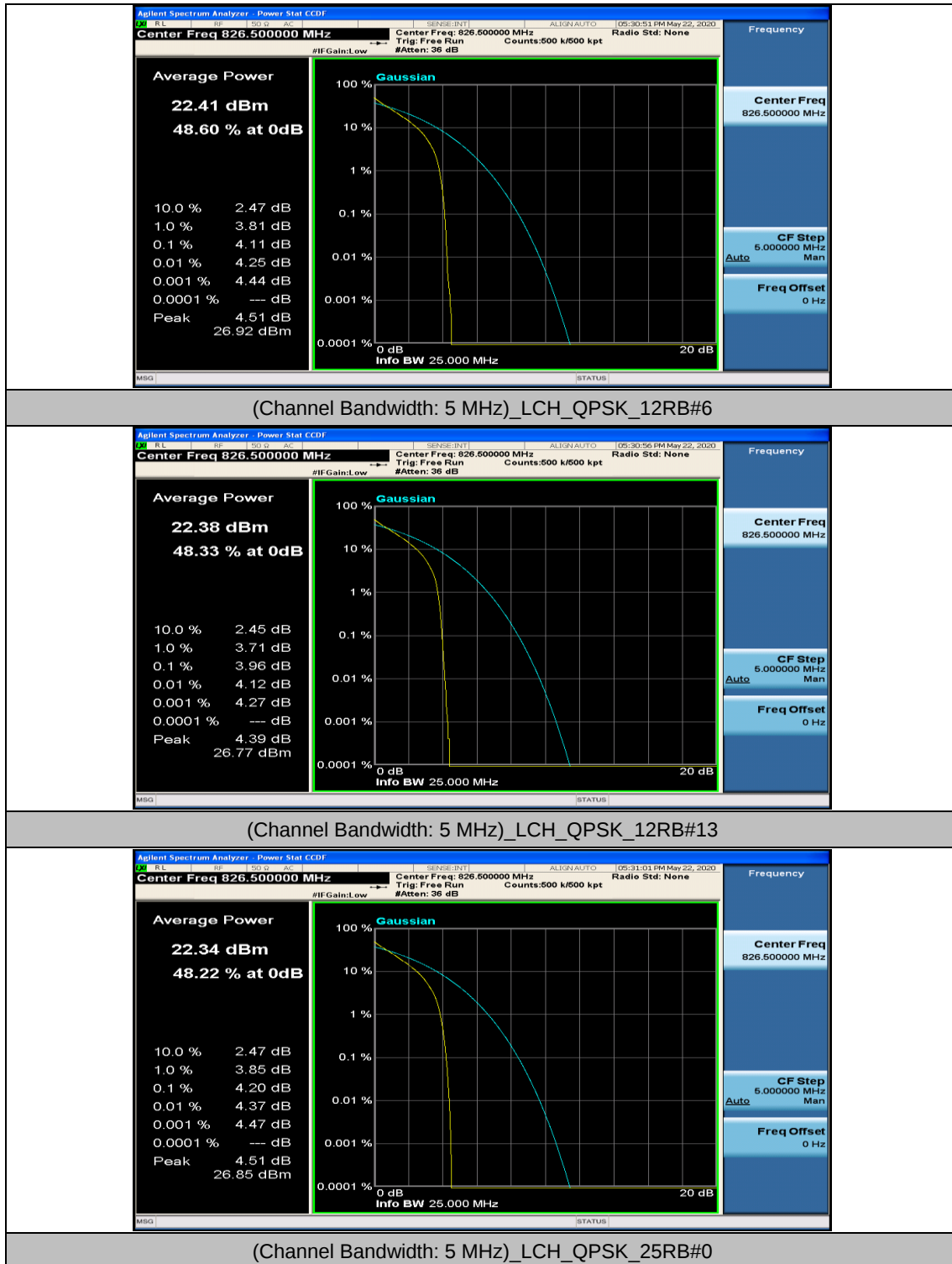
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

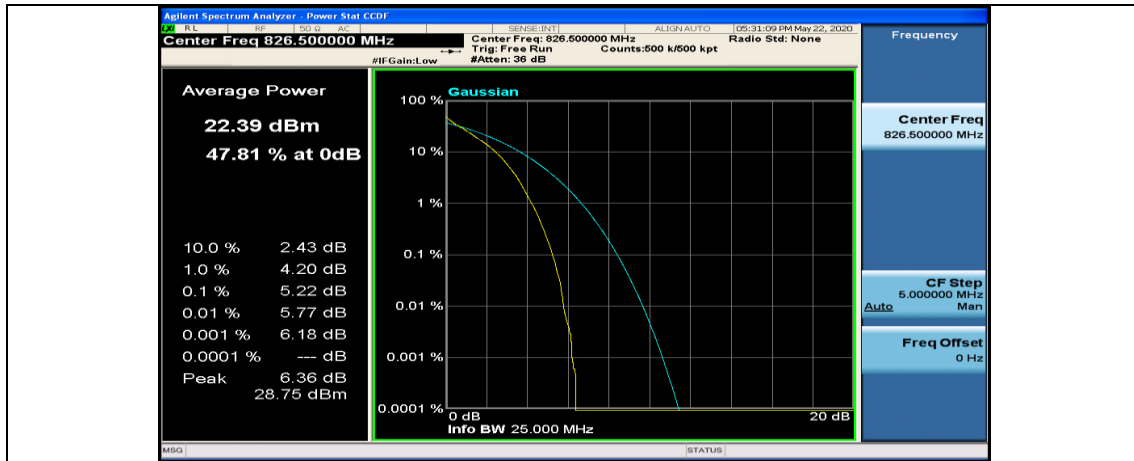


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

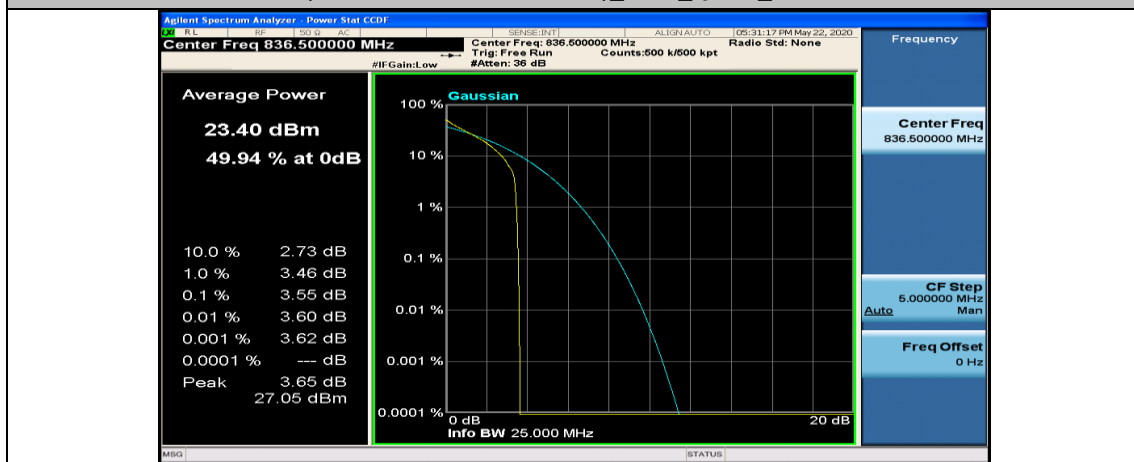


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

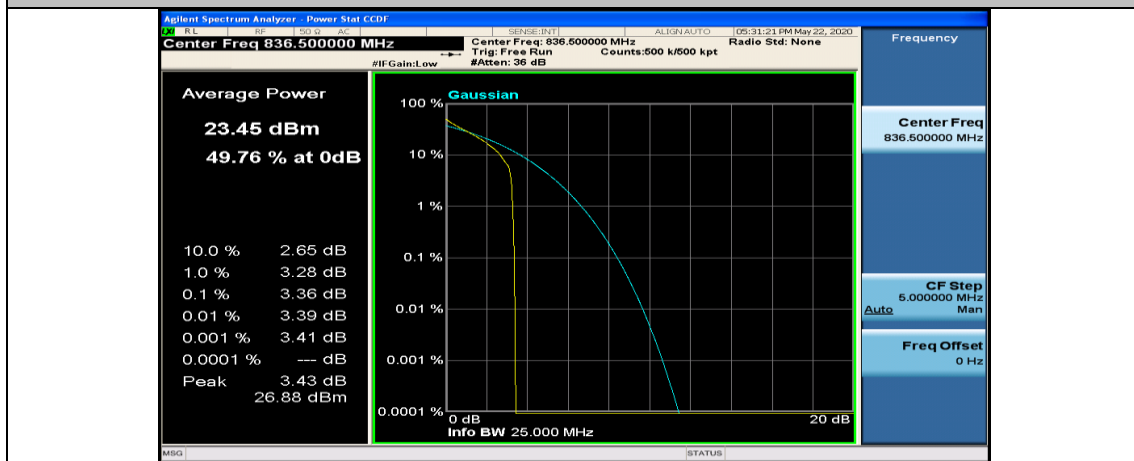




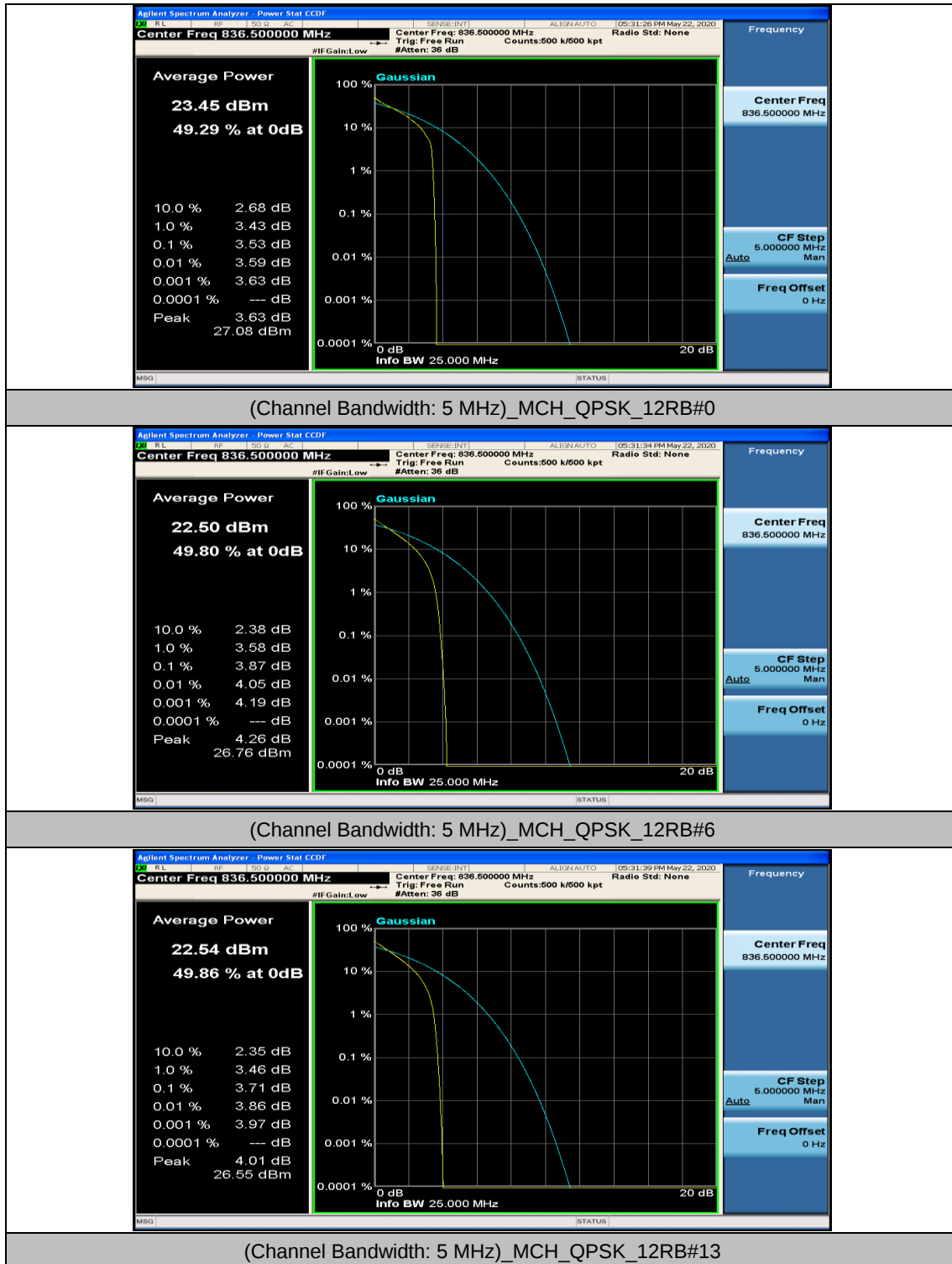
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

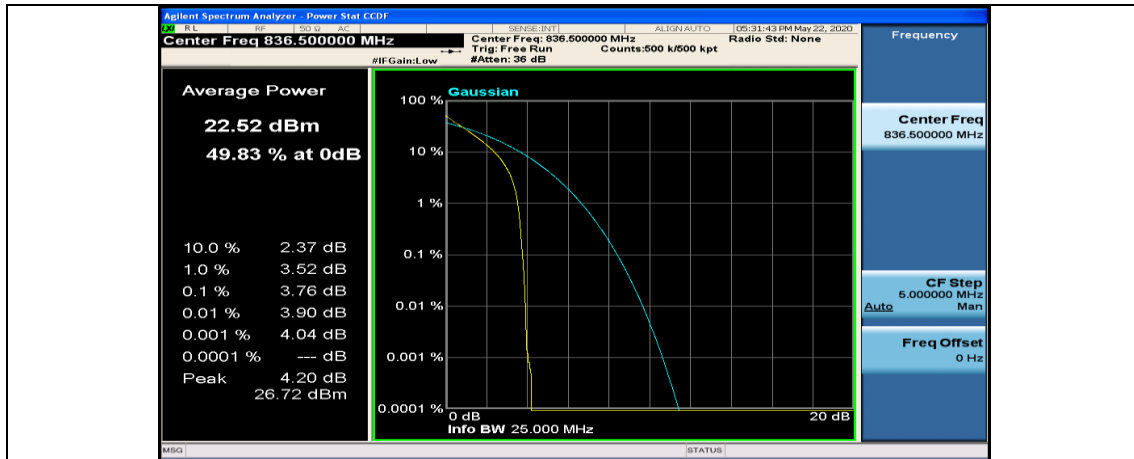


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

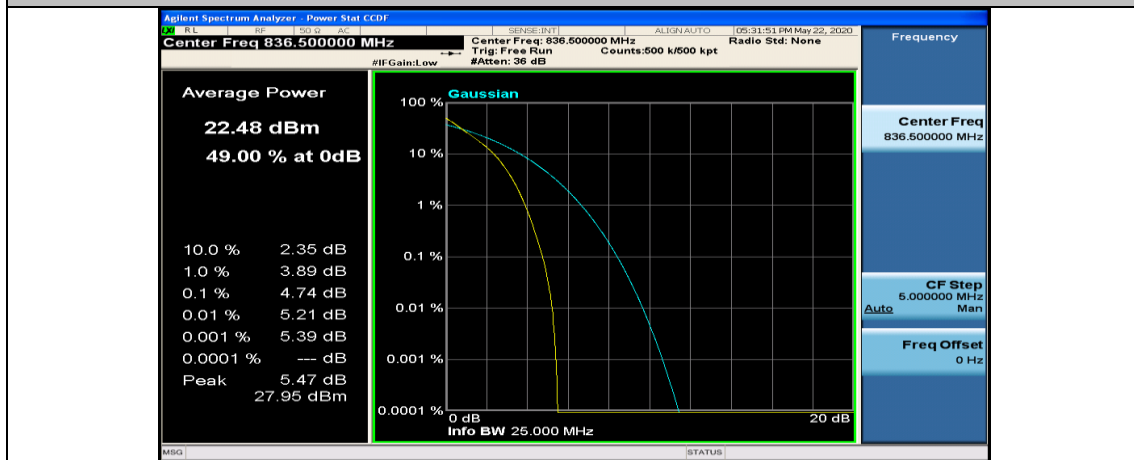


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

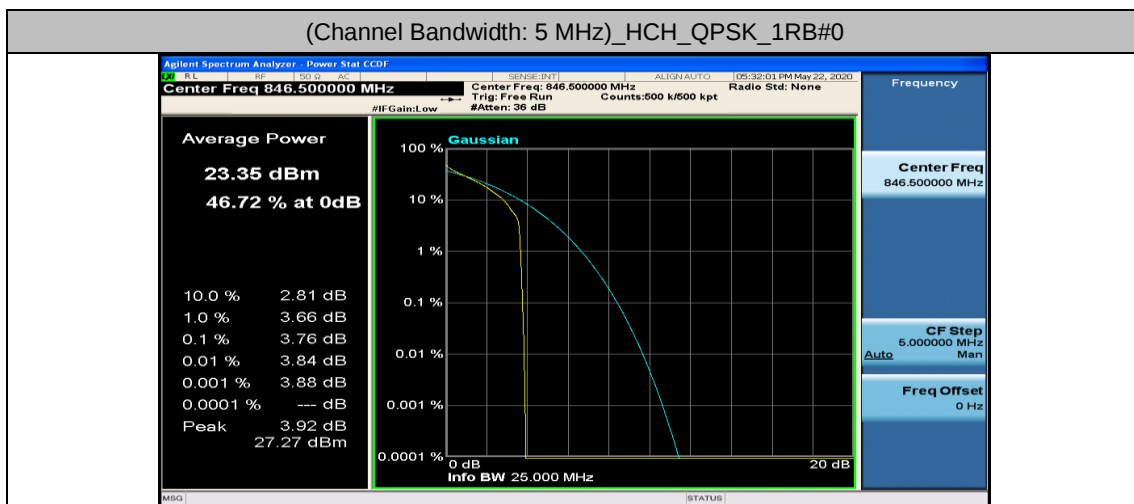




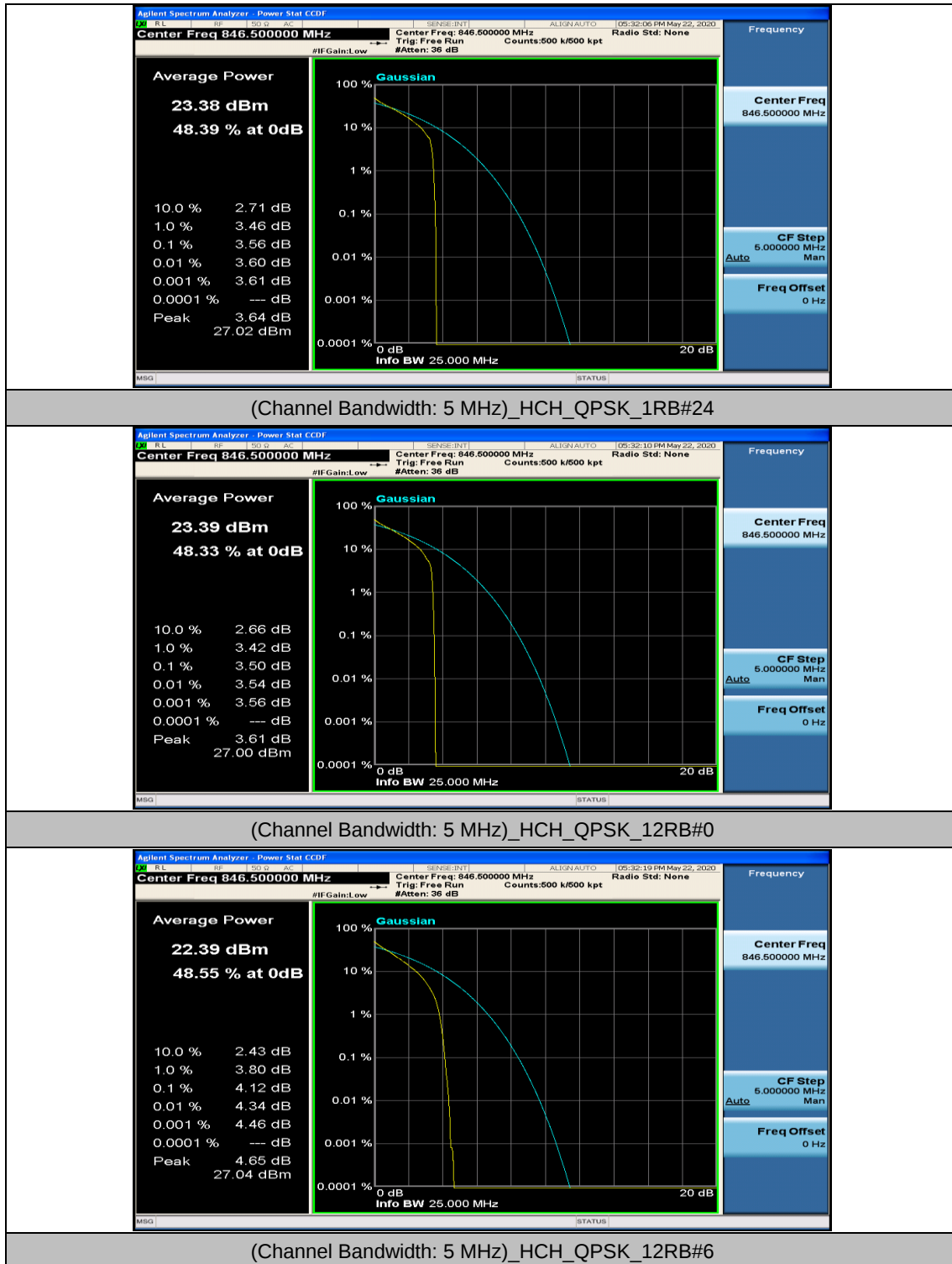
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

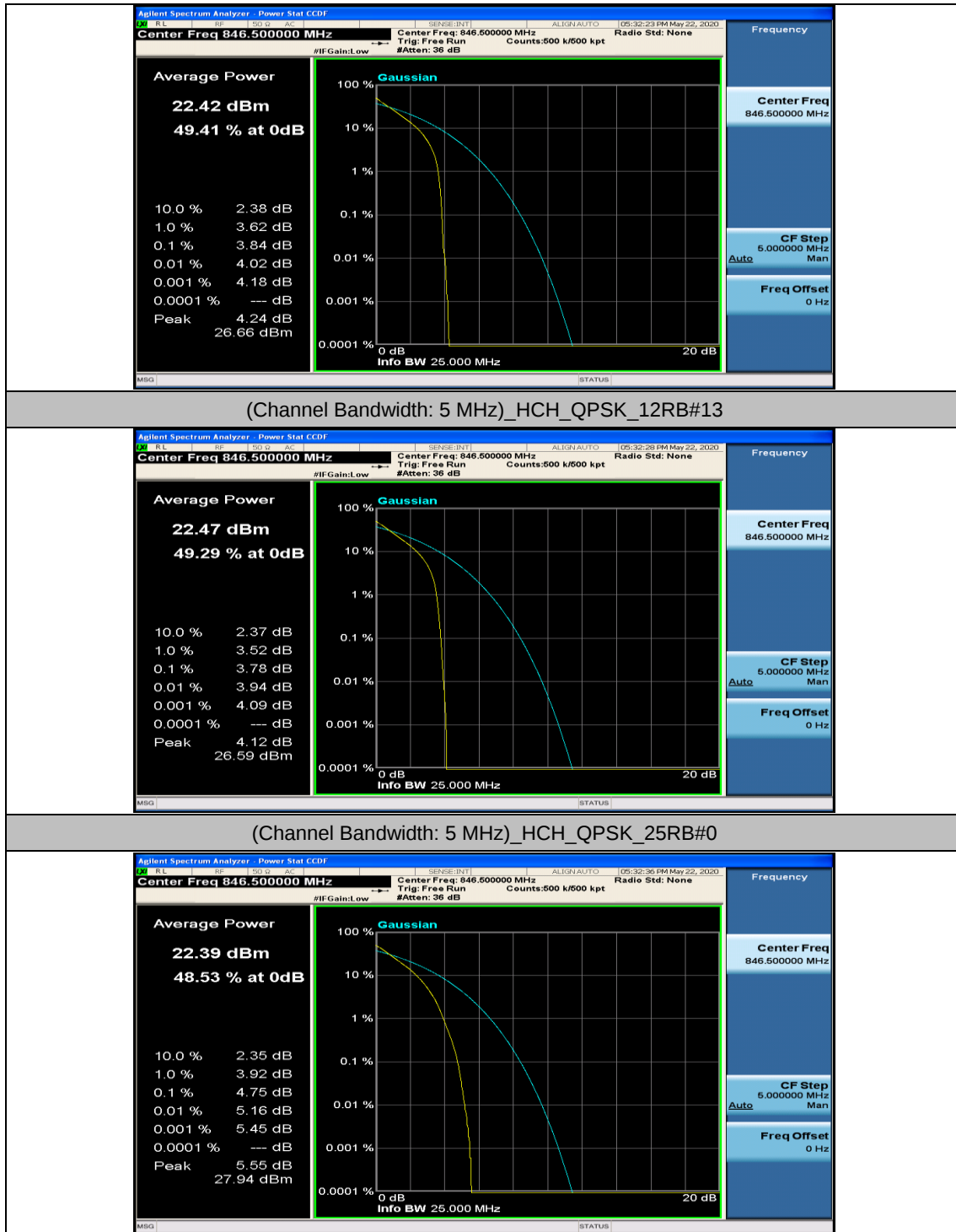


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

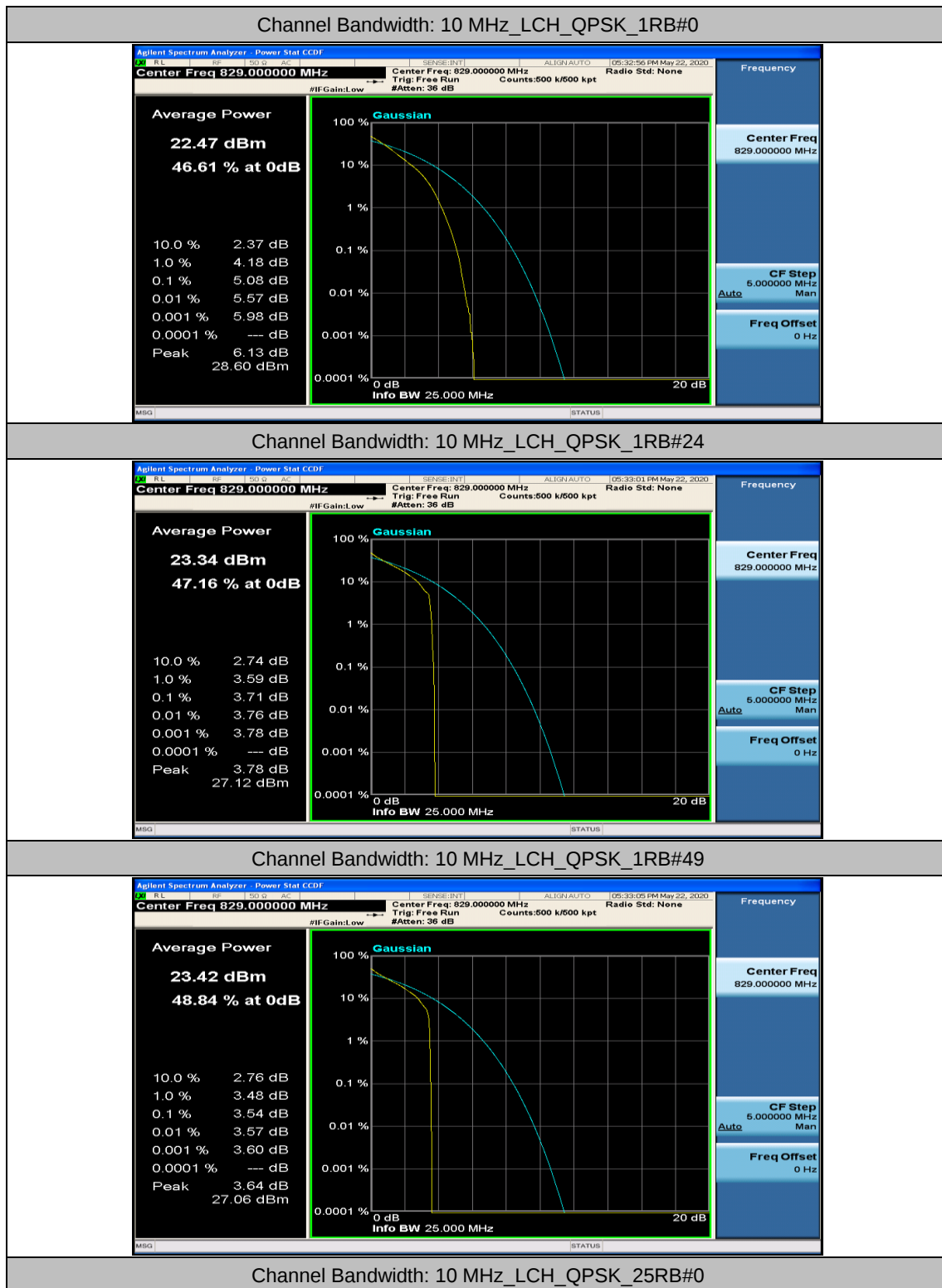


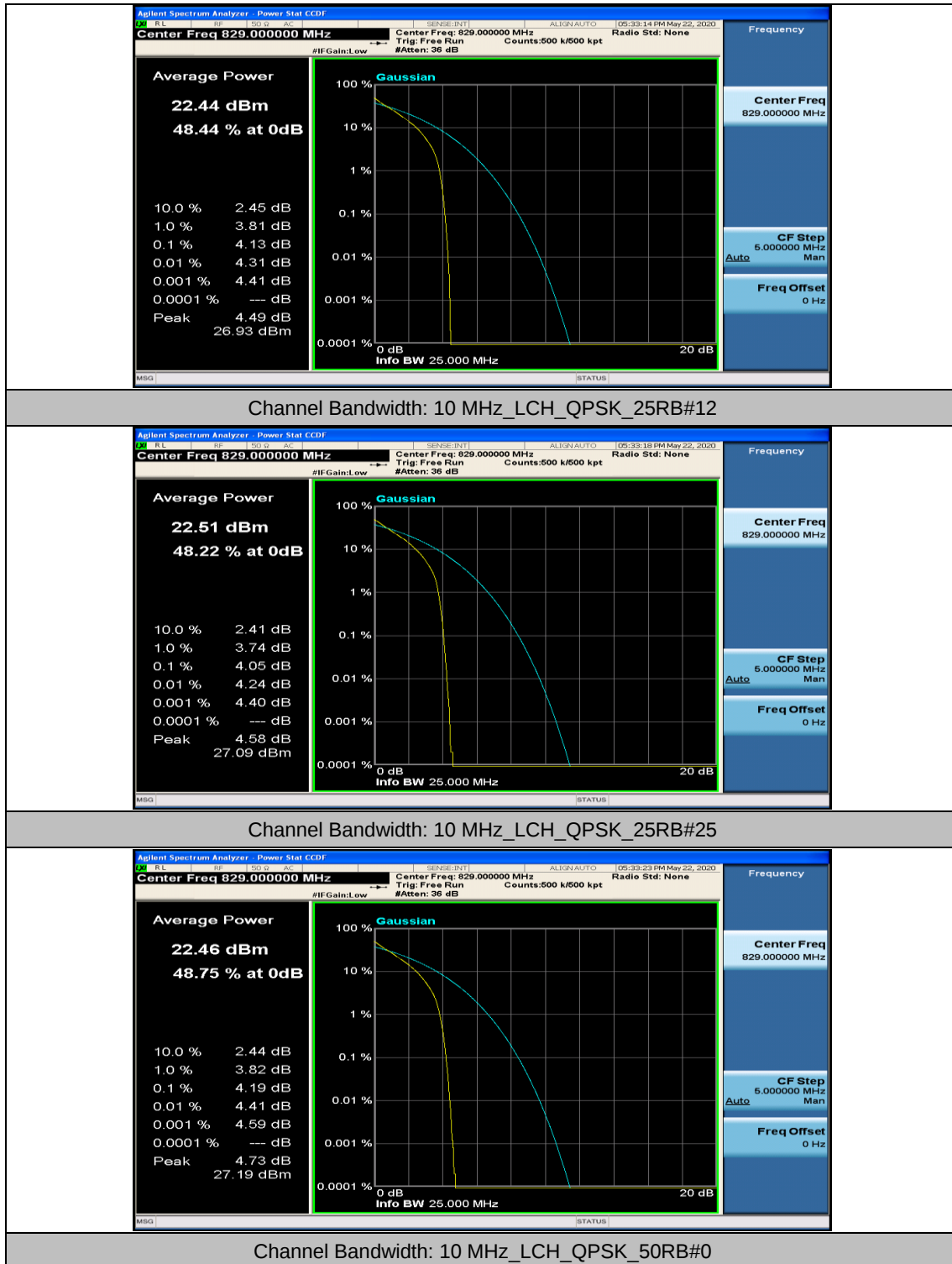
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

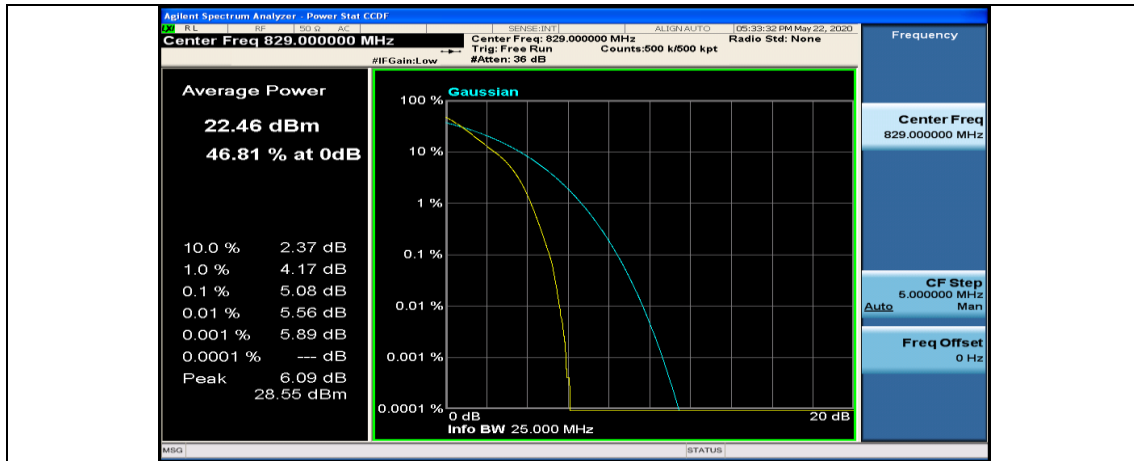




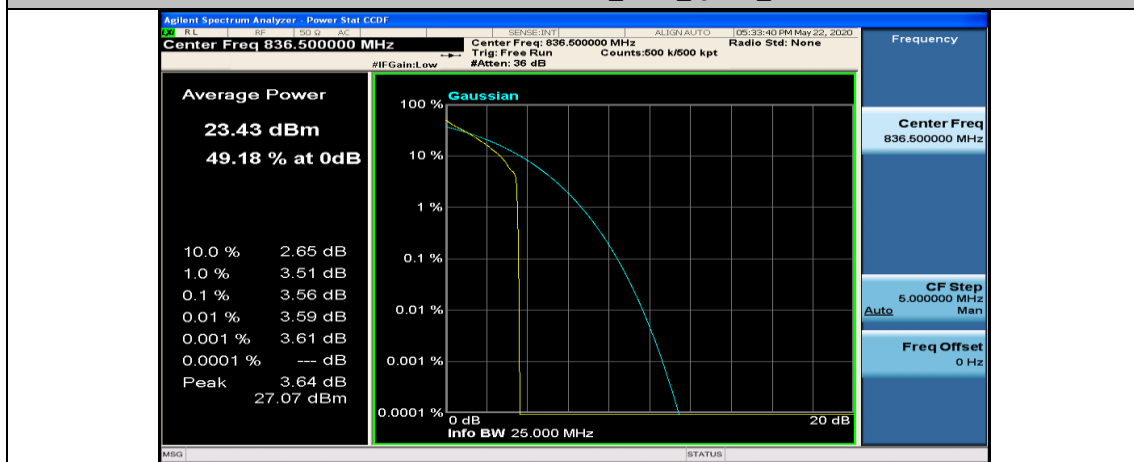
Channel Bandwidth: 10 MHz



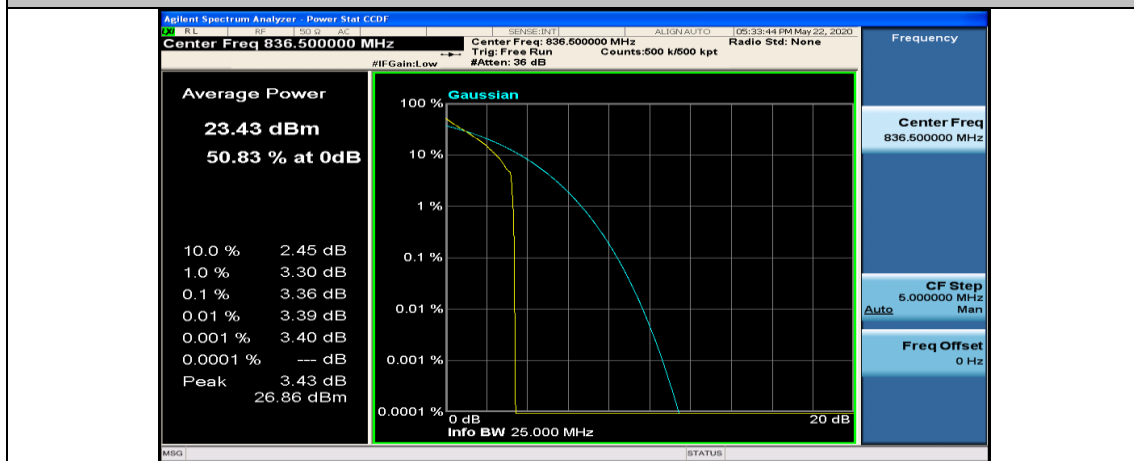




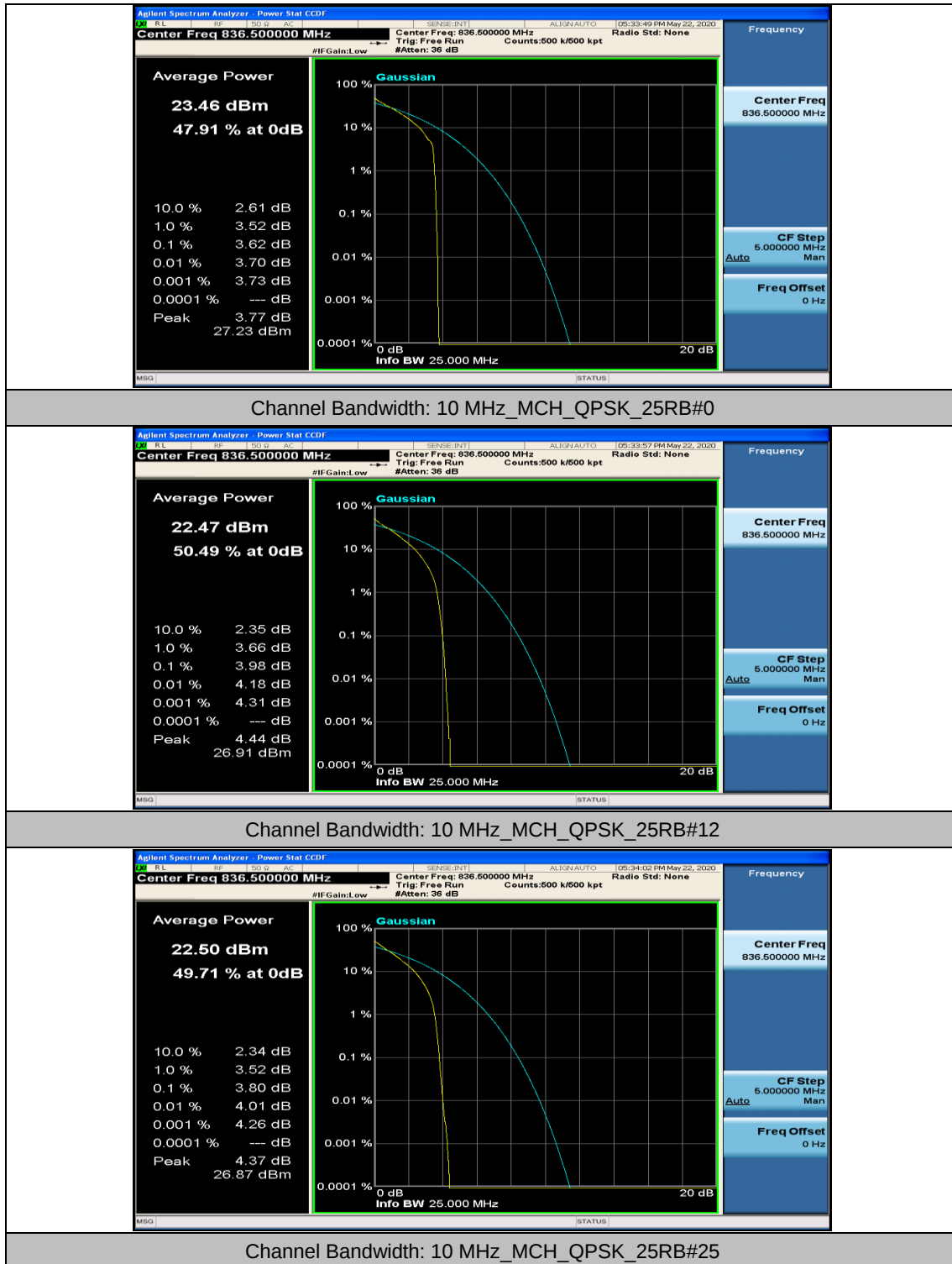
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

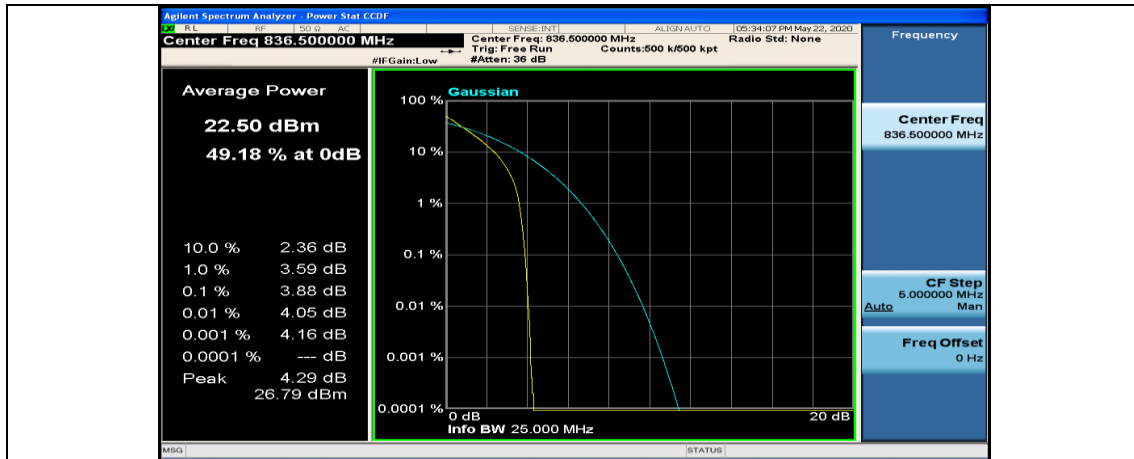


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

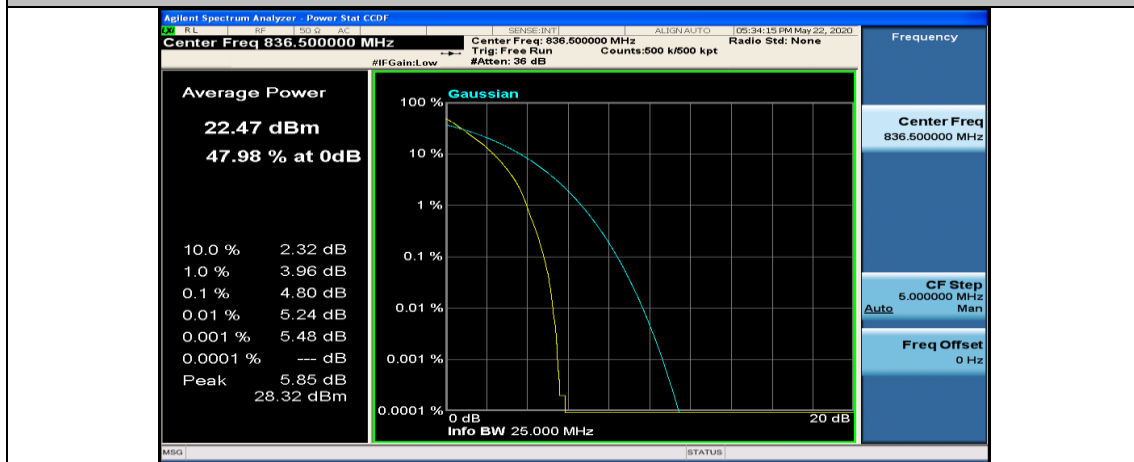


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

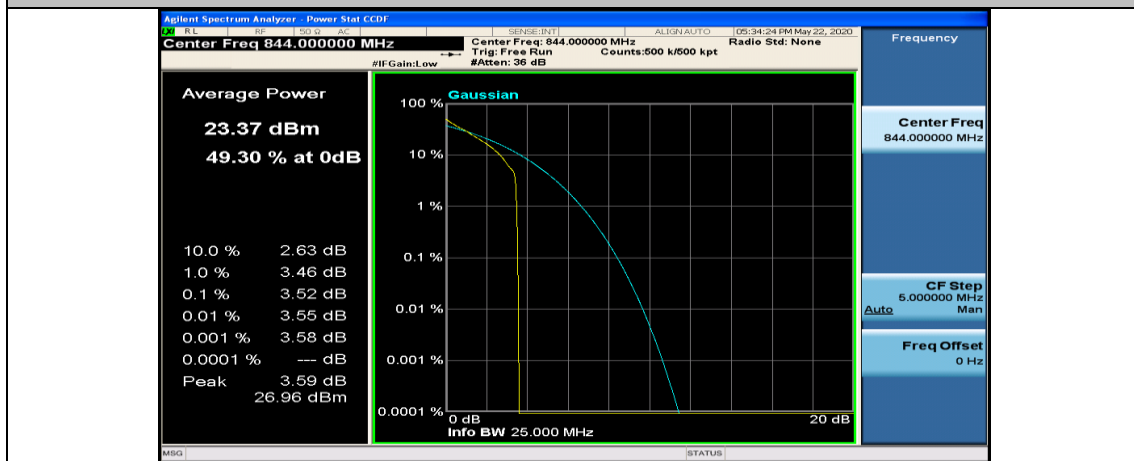




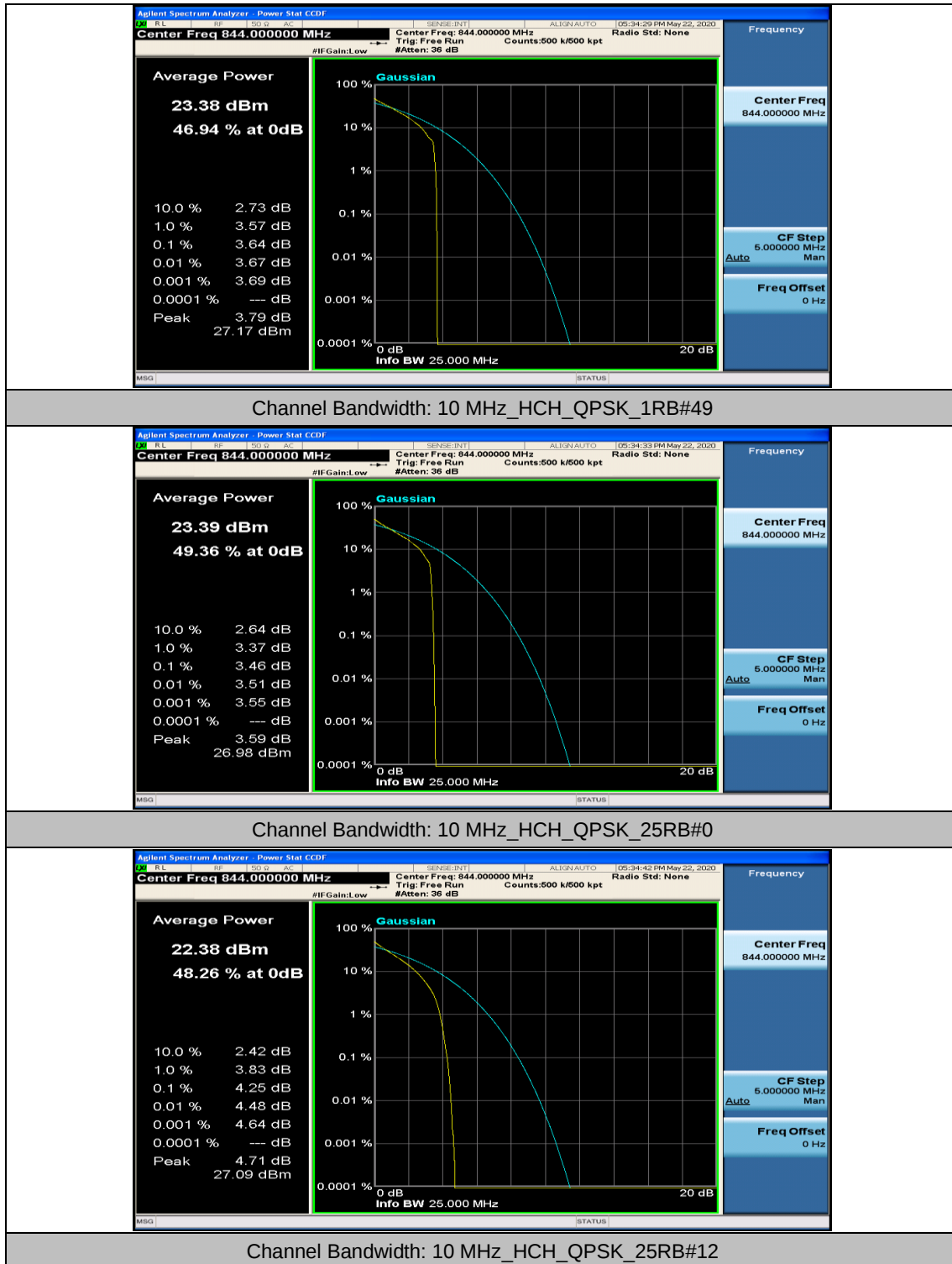
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

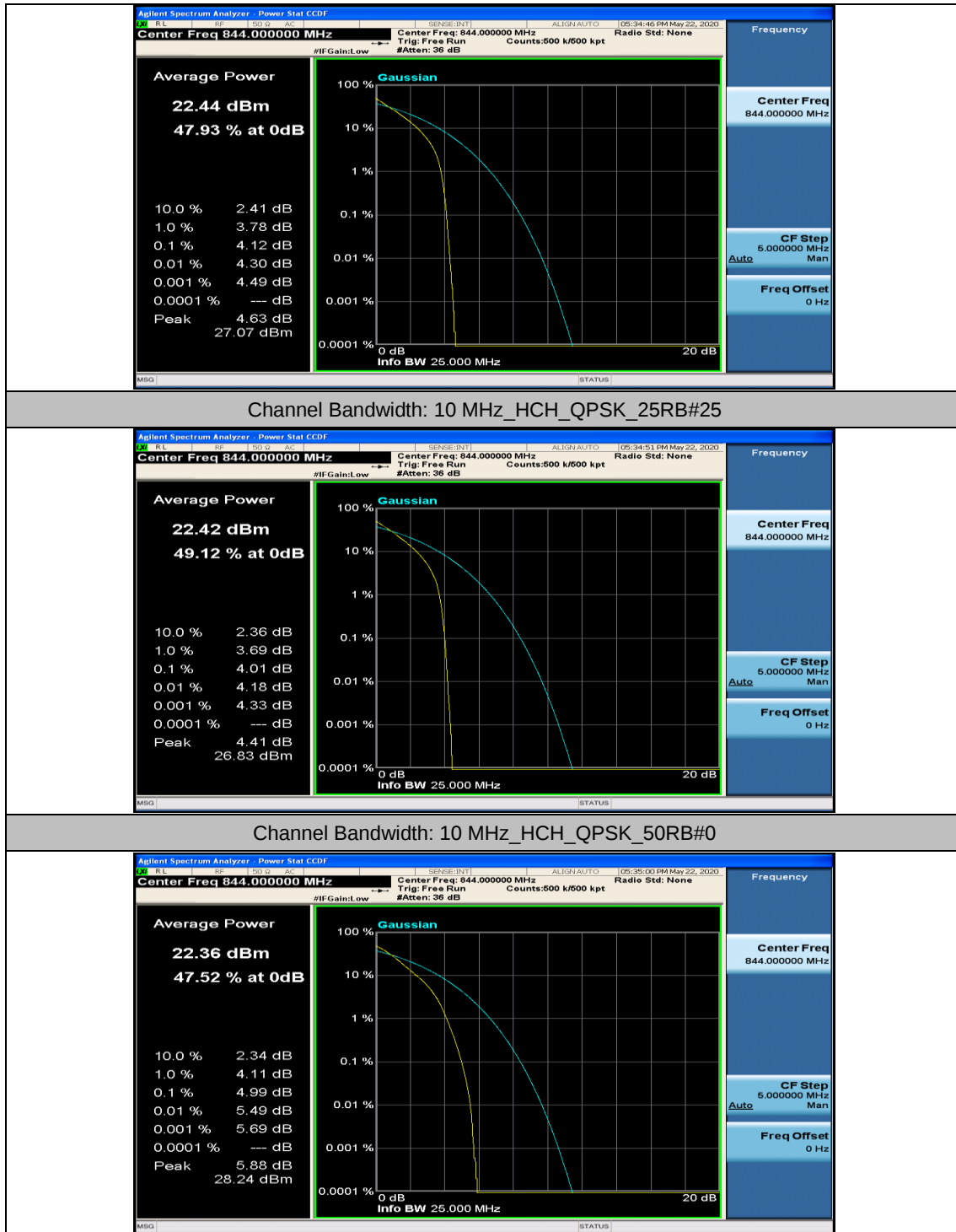


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



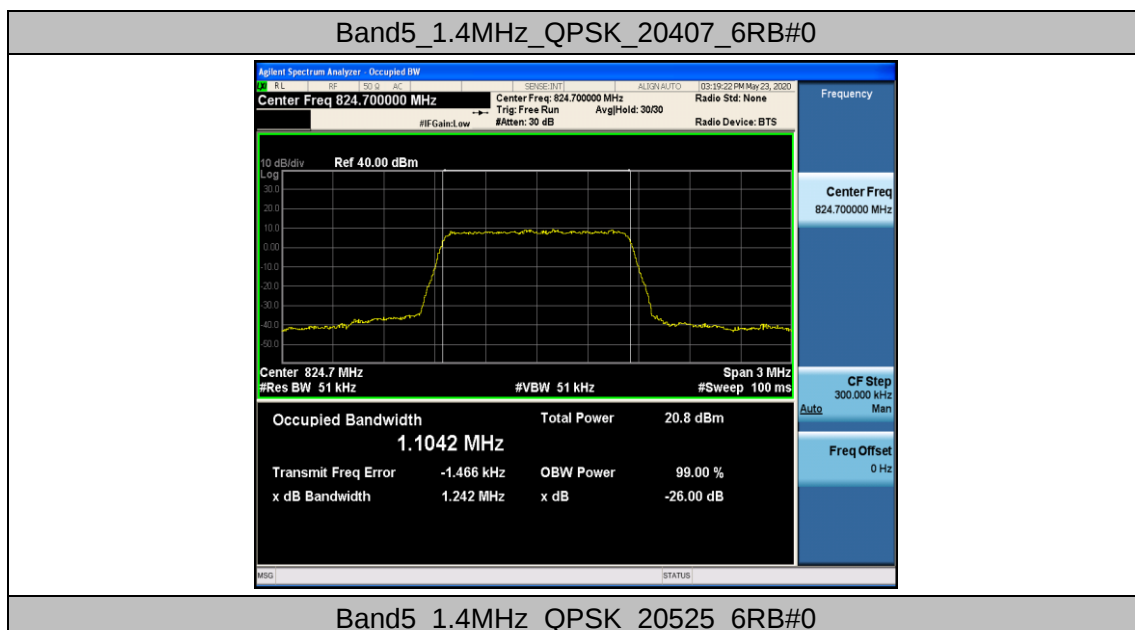


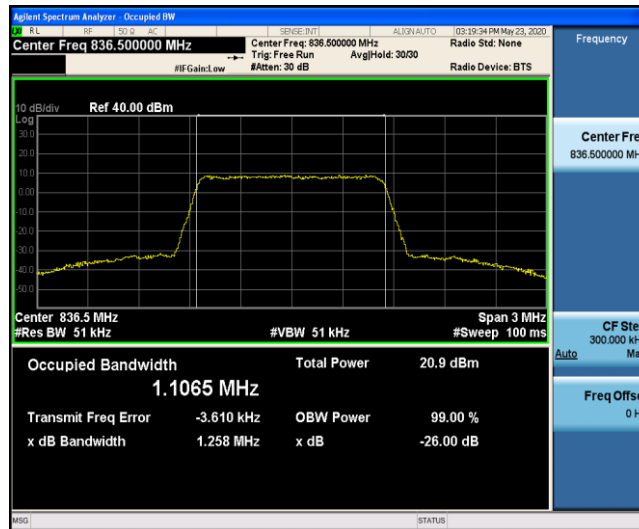
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

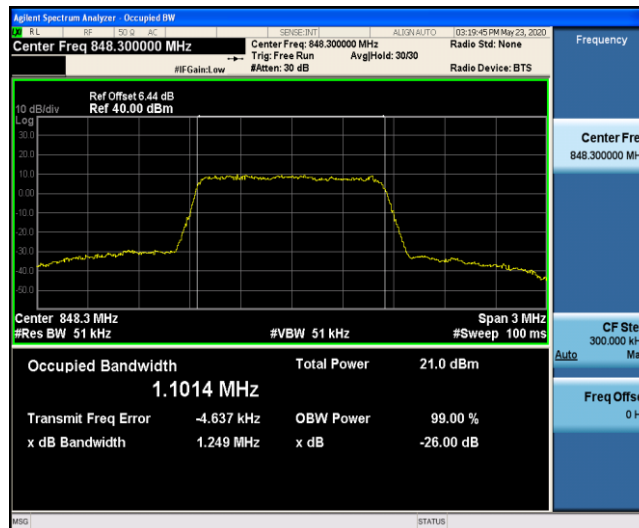
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.1042	1.242	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1065	1.258	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1014	1.249	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.9212	6.000	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6964	2.950	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6931	2.917	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4785	4.817	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4758	4.826	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4665	4.792	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9201	9.423	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.8965	9.337	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9184	9.351	PASS

Test Graphs

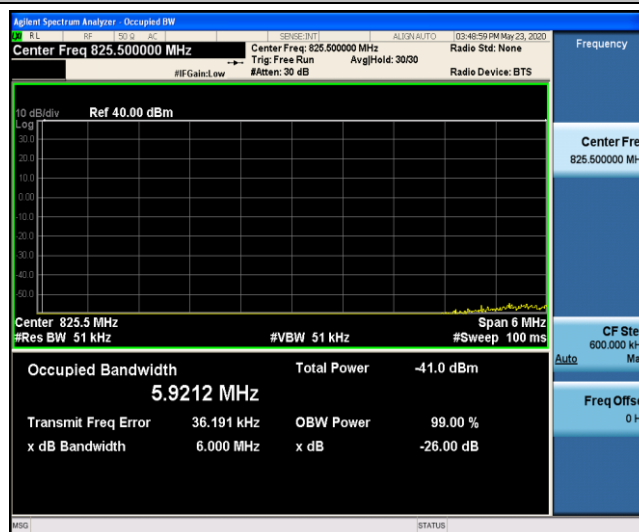




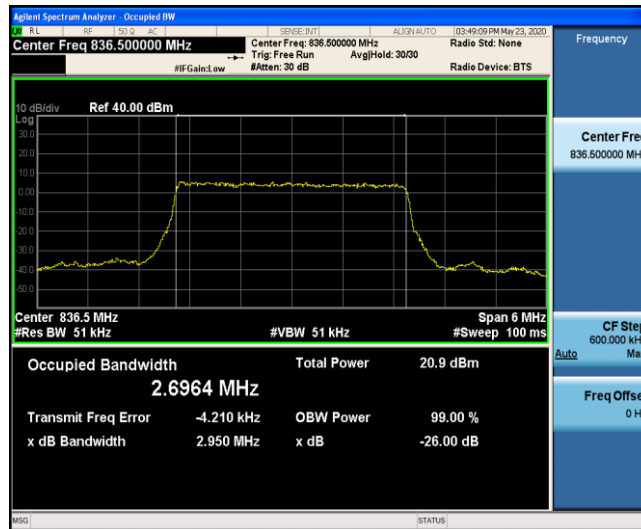
Band5_1.4MHz_QPSK_20643_6RB#0



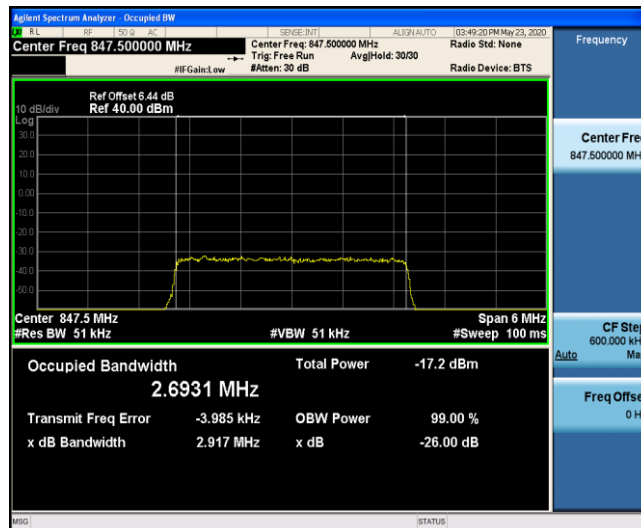
Band5_3MHz_QPSK_20415_15RB#0



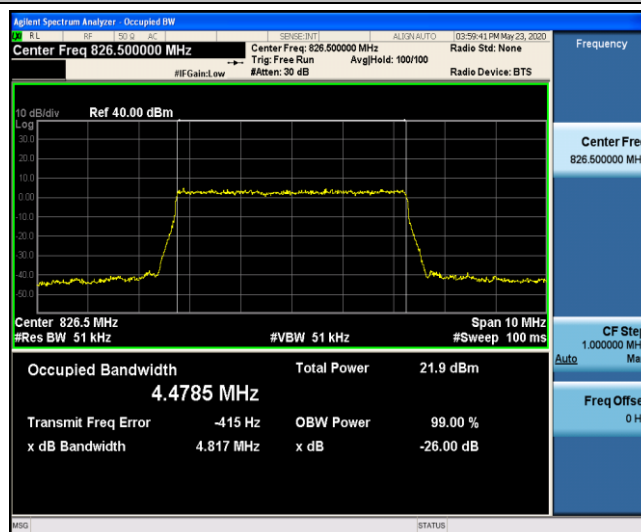
Band5_3MHz_QPSK_20525_15RB#0



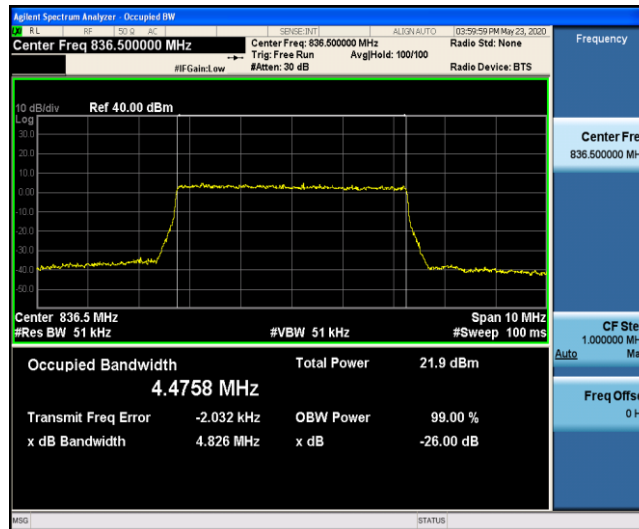
Band5_3MHz_QPSK_20635_15RB#0



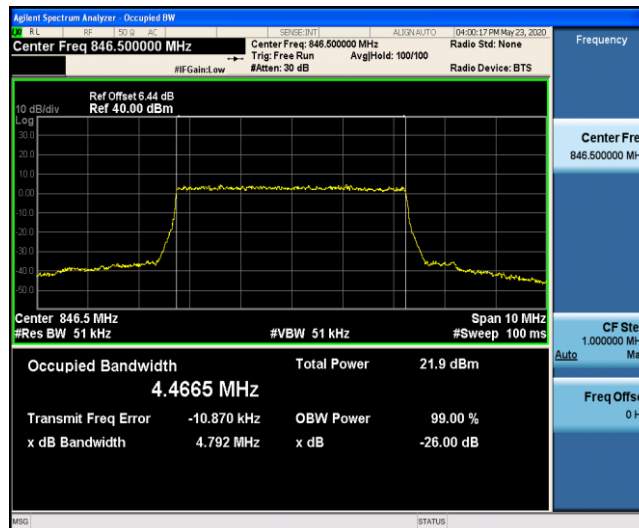
Band5_5MHz_QPSK_20425_25RB#0



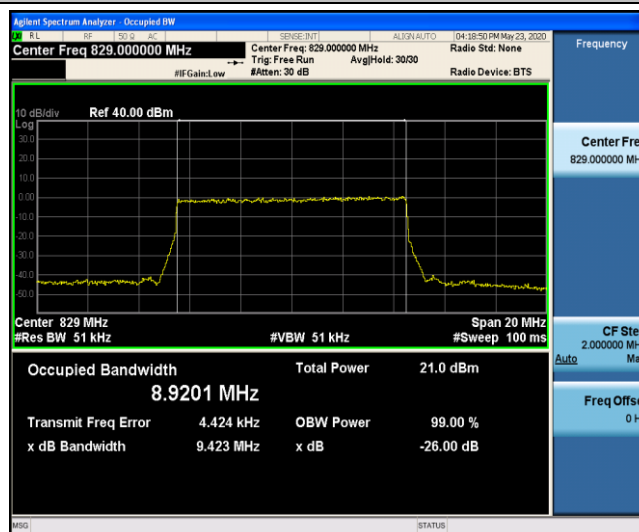
Band5_5MHz_QPSK_20525_25RB#0



Band5_5MHz_QPSK_20625_25RB#0



Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_QPSK_20525_50RB#0